



# Walters State Community College Catalog Academic Information

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# *Academic Information*



## PLAN YOUR EDUCATIONAL PROGRAM

It is the responsibility of the student to select an educational program of study and register for and complete courses required in the selected program as outlined in this catalog. The faculty and counselors at Walters State Community College take pride in assisting the student in program planning and course selection. Each student will be advised by a faculty member from the department of the major field of study to assist in planning the student's program of study.

Should it be necessary to deviate from the suggested curriculum of courses, the student should consult the head of the department in the major field of study in order to prepare a course substitution request.

## TRANSFER OF CREDIT

Any student planning to transfer the first two years of college level credit from Walters State to a four-year college or university should secure a copy of that institution's catalog/articulation agreement/equivalency table and reflect upon it during advising and registration to ensure that the courses selected meet the first two years' requirements at the receiving institution.

Please be advised that should there be a question regarding the transfer of credit from Walters State Community College by the four-year school, a copy of the transfer evaluation from the four-year school must be provided to the Counseling and Testing Center staff member for the purposes of discussing the course(s) in question.

For assistance regarding transfer of credit from Walters State to a four-year institution, please contact the Counseling and Testing Center, CCEN-207, by telephone at 423-585-6800 or 1-800-225-4770, ext. 3 or by visiting the Walters State web page at [www.ws.edu](http://www.ws.edu).

## ATTENDANCE REGULATIONS

Students must attend the first day of class or contact the instructor prior to the first class if they intend to remain in the class. If this procedure is not followed, the students **may** be administratively dropped from the class, and other students allowed to take their positions. Students who are withdrawn from classes under this policy will receive a drop form marked "attendance withdrawal."

Attendance at classes and other official appointments is required. A student's schedule is considered a contract and constitutes a series of obligated appointments.

Absences are counted from the first scheduled meeting of the class. An explanation for the cause of all absences should be given each instructor. If possible, students should inform instructors in advance of planned absences.

**IMPORTANT: Non-attendance does not constitute a withdrawal from classes or from the college. Procedures to formally drop a course or to withdraw from the college must be followed. Following these procedures may prevent students from receiving an undeserved "F" on their transcript.**

## ACADEMIC AND CLASSROOM MISCONDUCT

The instructor has the primary responsibility for control over classroom behavior and maintenance of academic integrity and can order the temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or conduct violative of the general rules and regulations of the institution. Extended or permanent exclusion from the classroom or further disciplinary action can be effected only through appropriate procedures of the institution.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are subject to disciplinary action. In addition to possible disciplinary sanctions which may be imposed through the regular institutional procedures as a result of academic misconduct, the instructor has the authority to assign an "F" or a zero for the exercise or examination, or to assign an "F" for the course.

If the student believes that the accusation of academic misconduct is in error, and if the final grade has been lowered as a result, an appeal may be made by following institutional procedures.

## STUDENT USE OF PERSONAL OR PORTABLE ELECTRONIC COMMUNICATION DEVICES

The importance of portable electronic communication devices is recognized as a method of communication for those students and visitors to the college with emergency needs or activities. It is also recognized that these devices permit certain individuals to attend classes and other activities that they might otherwise be unable to attend due to off-campus responsibilities or duties.

Walters State Community College assumes the primary responsibility for maintaining control over facility climate and environment. These same communication devices must not interfere with, or disrupt, the instructional process or college-sponsored activity, such as a class, guest lecture or concert. A student or visitor may wear an electronic beeper provided the device is set so that it will not produce an audible sound during classroom instruction or other college-sponsored activities.

Cellular phone use during classroom instruction or college-sponsored activity is prohibited. Cellular phones must be turned to the non-audible mode until after class, at which time calls can be received or checked.

The college has the responsibility to ensure that the facility environment remains relatively free from interruptions and disturbances. In the event of an emergency, the student or visitor should exit the room quietly and with as little disruption as possible. Students consistently bear the primary responsibility of keeping their instructors informed of any occurrence that may affect their academic performance.

## PETS ON CAMPUS POLICY

Pets are not allowed on Walters State Community College campuses. Exceptions will be made only for students with identified disabilities. When exceptions are made, pets that are allowed on campus must be on a leash under the direct and positive control of the individual responsible for the pet. Such individuals will be liable for any accident or damage caused by the pet while on campus.

## MINORS ON CAMPUS POLICY

Walters State Community College is an institution of higher education and as such must preserve conditions that will permit a proper learning and working environment at all times. Thus, minor children must not be left unsupervised on campus. It is not the intent of this policy to prevent children in the accompaniment of an adult from visiting the campus. However, consideration for the learning environment of the student, the work routine of staff employees, and the safety of the children requires that children may not accompany adults into classrooms, offices, or other work spaces as a baby-sitting function nor be left unsupervised in the hallways of buildings or on the grounds of the college.

In certain circumstances, children may be on campus for classes held for their benefit (EDU Camps, field trips, etc.). At such times, it is expected that the instructor or responsible adult will supervise the activities of the children, and that before and after the class an area will be designated for the children to await the arrival of their parents. It is the responsibility of the supervisor/instructor of these activities to explain these restrictions to the children and to monitor the enforcement where feasible.

## STUDENT LOAD

The recommended semester-hour load for the average student is 15 to 16 hours of credit. A student desiring to take more than 21 semester hours of credit must receive approval prior to registration by completing an Overload Request form with approving signatures from the advisor, division dean, and the vice president for Academic Affairs.

## MINIMUM CLASS SIZE

An undergraduate course will not normally be given for fewer than 15 students except by permission of the vice president for Academic Affairs. *The college reserves the right to cancel, postpone, or combine classes when necessary.*

## GRADING SYSTEM

The following grading system is used at Walters State Community College.

Grade	Quality Points Awarded Per Semester Hour
A - Highest Proficiency	4
B - High Proficiency	3
C - Proficiency	2
D - Low Proficiency	1
F - Failure	0

The scholastic standing of a student is expressed in terms of quality point ratio. A quality point ratio is the total number of quality points divided by the total number of semester hours attempted, less the number of hours repeated. To meet degree requirements, a student must maintain an overall quality point average of 2.00.

Other markings which may appear on the grade report and/or transcript are as follows:

I - Incomplete	R - Repeated
IP - In progress	W - Withdrew
AU - Audit; no grade or credit	WF - Withdrew failing
P - Passed	X - No grade reported
N/C - No Credit	

The mark "I" means that the student was passing at the end of the semester but had not completed all the course work. The student receiving an "I" should contact the instructor immediately in an effort to complete course requirements. The incomplete course requirements must be completed by a date agreed upon between the instructor and the student but no later than the drop deadline of the next semester (see College Calendar for specific dates). If the incomplete is not removed, it will be counted as an "F" and computed in the quality point average.

The mark of "IP" is used **only for developmental education** courses. It means the student has made satisfactory progress in a course but has not completely mastered the required competency levels. The "IP" is not computed in the quality point average and must be removed during the succeeding semester. If it is not removed the succeeding semester, it will be counted as an "F" and computed in the quality point average.

The mark of "P" means the student successfully completed a course but a grade was not assigned. Credit towards meeting graduating requirements is awarded for a "P" but this mark has no effect on the quality point average. The following courses are approved for a grade of "P": biology labs, physics labs, writing labs, and any other courses approved by the vice president for Academic Affairs.

The mark of "NC" means no credit. No quality points were awarded.

The mark of "R" is a transcript symbol used to indicate the student repeated a course.

The mark of "W" means the student withdrew from a course. Withdrawal from a course does not affect the quality point average. The dates the student may withdraw are specified each semester in the *Registration Information Booklet*. Permission to withdraw after that date must be recommended by the instructor and approved by the vice president for Academic Affairs.

The mark of "WF" means the student withdrew from a course with a failing grade. The "WF" will be computed as an "F" in calculating the quality point average.

The mark of "X" means the instructor is unable to complete the course evaluation due to reasons beyond the student's control. Grades will be assigned when the evaluation is completed.

## GRADE PROTESTS

Grades, transcript information, drop/adds, withdrawals and other data perceived by the student to be in error must be protested by the student during the subsequent semester. Protests made after this time will not be reviewed.

## GRADE APPEAL PROCEDURE

Student appeals concerning a course grade should be resolved by conference between the student and the instructor who assigned the grade within 45 calendar days from the day grades are loaded in SIS as stated in the *Registration Information Booklet*. If the concern is not resolved the student may begin the formal grade appeal procedure following the process below.

### Grounds for Appeal

1. *Errors in calculation:* The student appeals an error made in the mathematical calculations of graded material.
2. *Errors in course practices:* The student contends that there is gross disparity between the course syllabus and the manner in which the course is conducted in regards to the treatment of the individual student.

### Procedures for Appeal

1. Following the initial conference with the instructor, the student has seven calendar days to complete the Grade Appeal Form which may be obtained from the division secretary in each division. The student must sign and date the completed form in the presence of the instructor at a mutually agreed upon time.
2. The instructor's response must be submitted to the department head, if applicable, or the division dean within seven calendar days of the student's signature.
3. The response from the department head/division dean must be submitted to the student within seven calendar days of the instructor's signature. If the student wishes to appeal further, the division dean must submit the Grade Appeal Form to the vice president for Academic Affairs.
4. The response from the vice president for Academic Affairs must be submitted to the student within seven calendar days of the division dean's signature. If the student wishes to appeal further, the vice president for Academic Affairs will submit the Grade Appeal Form to the Academic Affairs Committee.
5. The Academic Affairs Committee will hear the appeal at the next regularly scheduled meeting. The Academic Affairs Committee will render a response at the conclusion of the meeting.
6. If a student wishes to further pursue the appeal, the vice president for Academic Affairs will take the appeal to the president. The president will have seven calendar days to render a decision. The president's decision is final.

*The failure of the student to proceed from one level of the appeal procedure to the next level within the prescribed time limits shall be deemed to be an acceptance of the outcome previously rendered. All further considerations and proceedings regarding that particular appeal shall cease at that point.*

### REPEATED COURSES

For the purpose of increasing mastery in a course when such is necessary for successful performance in a subsequent course or for the purpose of increasing the quality point average, a student may repeat a course provided the grade of "C" or lower was earned in the course to be repeated. The grade received in repeating the course supersedes all previous grades. The hours attempted for repeating a course are counted only once and credited in the semester in which the course was repeated. Students are permitted to repeat a course twice (three attempts) under the preceding condition. After three attempts, the grades in the third and subsequent attempts are used in calculating the quality point average.

Students may be permitted to repeat a course in which a grade of "B" or higher was earned only with the approval of the vice president for Academic Affairs.

### ACADEMIC FRESH START

Any person who has **not** been enrolled in a college or university for a period of four years and who, upon re-enrolling at Walters State Community College, maintains a 2.00 GPA and completes 15 semester hours of Level 1 course work at Walters State, may petition to have grades on **all** prior course work disregarded in calculating the cumulative grade point average. Removal of grades means removal of all credits. Upon the completion of 15 semester hours at Walters State with a 2.00 cumulative GPA, the student should complete an application for Academic Fresh Start, which may be

obtained from the Counseling and Testing Center, CCEN 207, and send a transcript to the vice president for Student Affairs to be submitted for approval to the vice president for Academic Affairs. If the request is granted, the earlier course work will not count toward meeting requirements for graduation but would appear on the student's transcript.

A student who plans to transfer to another institution should contact that institution to determine the impact of Academic Fresh Start prior to implementing the program at Walters State. If assistance is needed, a student should contact the vice president for Student Affairs.

### HONORS LIST

President's List: 4.00 average for 12 or more semester hours per semester in regular college level work earned at WSCC.

Dean's List: 3.50-3.99 average for 12 or more semester hours per semester in regular college level work earned at WSCC.

### GRADUATION AND DEGREE REQUIREMENTS

Applications for graduation are processed through the department of Student Records. To be eligible for graduation and receive a degree or certificate from Walters State Community College, the student must have:

1. Completed a minimum of 60 semester hours required for the associate degree and the appropriate number of hours required for a certificate.
2. Earned at least a GPA of 2.00 ("C" average in all studies attempted.)
3. Fulfilled all courses required for the program as outlined in the college catalog, with 18 hours of the last 26 hours towards the degree being completed at Walters State Community College. For the Associate of Applied Science Degree program concentrations in Industrial Technology, students are required to take a minimum of 12 semester hours of technical course work at Walters State Community College.
4. Filed an application for graduation and completed the graduation packet which can be secured in the department of Student Records. This must be completed on or before the deadline outlined in the college calendar. All applicants for graduation must have a minimum of 2.00 GPA at the time of filing an intent of graduation form in the Student Records Office.
5. Paid the \$25 graduation fee in the office of Business Affairs and informed the department of Student Records of such payment by showing a dated receipt. This payment is required of all degree and certificate graduates regardless of participation in the graduation ceremony. The fee includes the cost of the diploma. It must be paid at the beginning of the semester in which a student is schedule to graduate, is non-refundable and is valid for two semesters. However, the \$25 fee for certificate graduations will only be assessed for the first certificate. The \$25 fee will be waived for additional certificates.
6. Resolved all obligations, financial or otherwise, to the college; and returned all library and college materials.

Other guidelines pertaining to graduation are:

7. Students are allowed to graduate by meeting the requirements of the catalog under which they entered providing graduation is within seven years of the entrance. Degree requirements set forth in a catalog shall remain in effect for the duration of the period identified on the cover of this catalog. No guarantee is implied that these requirements

will be contained in total or in part in future specification of the degree.

8. Transfer credits used to satisfy Walters State's degree requirements will not be averaged with the student's grade point average at Walters State for the purpose of calculating the graduation average.
9. Students may complete requirements for more than one option within the degree program by successfully completing all course requirements. There is no additional fee for this and no additional diplomas are awarded. Students may also complete requirements for more than one degree. A minimum of 16 credit hours beyond the requirements for the first degree must be completed. A \$25 graduation fee must be paid for each separate degree, and a diploma will be awarded for the additional degree.
10. Students graduating are required to take the Measure of Academic Proficiency Progress Examination. Notification as to testing dates will be provided. Students may also be required to take other tests as may be required by the institution.
11. As part of the graduation requirements, prospective graduates must complete the graduate follow-up survey during the last semester of graduation. The follow-up survey can be delivered to Student Support Services (262-CCEN). This form must be completed or the application for graduation will be voided. All graduates within three to six months of graduation will be requested to complete a completer/leaver survey form. The return of this survey provides the college and the academic departments with information that is needed to keep all programs in compliance with TBR regulations. Further information may be obtained by visiting the department of Student Support Services in 262-CCEN.
12. Students graduating in the fall, spring and summer semesters will attend the commencement exercises in May, unless special permission is granted by the department of Student Records. Students graduating at the end of the fall semester will be not receive their diploma until the commencement exercises but their permanent record will be posted as of the semester they graduate. Students completing graduation requirements at the end of the summer semester will receive their diploma in August.
13. Walters State has one commencement ceremony per year which is at the end of the spring semester. Therefore, graduation honors are calculated at the end of the fall semester to be included in the graduation program, the graduation ceremony, and all news releases concerning graduation.

**SPECIAL NOTE:** Students who do not graduate by the semester which is indicated on application for graduation will have application voided and must reapply for graduation during another semester.

## GRADUATION HONORS

Awards and honors are based on the overall grade point average. Students graduating with the following quality point averages will receive the corresponding honor designations on their diplomas:

3.80 - 4.00	Summa Cum Laude
3.50 - 3.79	Magna Cum Laude
3.00 - 3.49	Cum Laude

## MISREPRESENTATION OF CREDENTIALS

It is a Class A misdemeanor to misrepresent academic credentials. A person commits the offense of misrepresentation of academic credentials who, knowing that the statement is false and with the intent to secure employment at or admission to an institution of

higher education in Tennessee, represents, orally or in writing that such person:

1. Has successfully completed the required course work for and has been awarded one (1) or more degrees or diplomas from an accredited institution of higher education;
2. Has successfully completed the required course work for and has been awarded one (1) or more degrees or diplomas from a particular institution of higher education; or
3. Has successfully completed the required course work for and has been awarded one (1) or more degree or diplomas in a particular field or specialty from an accredited institution of higher education.

## DISTANCE EDUCATION

### Purpose

The office of Distance Education coordinates academic credit classes at off-campus centers, at satellite campuses and on the main campus during evening hours. These classes are consistent with the college's overall mission to provide affordable, quality higher education opportunities for residents of upper East Tennessee. The Distance Education division strives to offer both accessible and flexible education within and beyond the traditional classroom. Classes, utilizing varying forms of delivery, provide lifelong learning to individuals seeking professional growth or personal enrichment in a society coping with rapidly changing life-styles.

### Admission Requirements and Commitment to Instruction

Admission requirements for distance education students are identical with requirements for students in the regular daytime program. The quality of instruction governing credit courses offered during the evening on campus and at satellite locations is equivalent in all academic considerations to campus day classes.

In order to respond to community needs, the division of Distance Education welcomes suggestions and requests for arranging credit courses on campus during the evening or at off-campus locations. The office is located in Room 108A-CCEN, telephone 423-585-6899.

### Evening Classes On-Campus

A variety of on-campus evening classes are offered as listed online at [www.ws.edu](http://www.ws.edu). **Evening classes are classes that begin at 4 p.m. or later.**

Services available on campus during select hours each evening include those offered by the Student Information Office, the Counseling Center, the office of Business Affairs, the Library, the Student Success Center, and the Bookstore. The Distance Education office is open each evening until 7 p.m. Monday through Thursday on the days classes are in session.

### Satellite Classes

Walters State specifically subscribes to the concept of accessibility by extending credit classes through satellite campuses and off-campus facilities as part of the delivery system. As a convenience to students, off-campus classes are organized and scheduled in locations conducive to enrollment. As a normal procedure, academic courses at satellite locations are listed by location online at [www.ws.edu](http://www.ws.edu) and are offered primarily during the evening hours. However, because of community response and local needs, off-campus courses are also available during the day at certain off-campus locations. In order to determine the availability of classes at off-campus locations, students are advised to examine closely the listings of classes by location.

Courses requiring laboratories, library materials, computers and other special resources are not offered off-campus unless the necessary resources are provided. To facilitate this scheduling, special

arrangements are made for selected courses as needed. In addition, off-campus students visit the Library on the main campus and may utilize the services of the Library during the regular hours that the Library is open. Through the Internet, they may also access over 90 electronic academic data bases containing over 39,000 periodicals and journals and 45,000 books in electronic format.

## CLAIBORNE COUNTY CENTER FOR HIGHER EDUCATION

### Purpose

The Claiborne County Center for Higher Education serves as part of the college's overall mission to provide leadership and academic opportunities to its entire service area, this extension offers day and evening academic credit classes and non-credit classes/training in cooperation with the Community Service Programs. Classes provide lifelong learning opportunities to individuals seeking to attain career and personal-development goals; consequently, these individuals are better-equipped to cope with the realities and problems arising from rapidly changing patterns of living and employment. To further its commitment to community responsiveness, the extension cooperates with other community agencies to provide training facilities for groups with specific needs. Video conference, video stream, and web-based courses along with face-to-face instructional delivery methods are utilized to bring a full range of classes to this rural area.

The Claiborne County Center is located at 907 Main Street in New Tazewell. The facility contains four general academic classrooms, a biology lab, computer science lab, an Educast classroom, administrative offices, and a student lounge area. General education courses as well as select technology courses are available to over 300 students.

## GREENEVILLE/GREENE COUNTY CENTER FOR HIGHER EDUCATION

### Purpose

The Greenville/Greene County Center for Higher Education offers both credit and non-credit courses to the citizens of Greeneville and Greene County, as well as, the ten county service area of East Tennessee. In accordance with the mission of the college, the center responds to student and community educational needs by offering traditional on-campus classes, video-streaming courses, web-based courses, hybrid courses and regents on-line degree courses. These distance education and on-campus opportunities allow many students who are geographically remote from the main campus to take classes closer to their homes.

The WSCC Greenville/Greene County Center strives to offer most of the courses in the general education core and many technical education courses for various degree and certificate programs. Courses are available to approximately 1,000 students and are offered during the day, evening, and on weekends. The facility includes general education classrooms, administrative and faculty offices, computer technology labs, chemistry and biology laboratories, an Educast room, student lounge areas, a media center, and an electronic library. In addition, the center is home for the Regional Police Academy, the Respiratory Care program, the Nursing program and provides space for East Tennessee State University and Adult Basic Education. Thirty full-time/part-time faculty/staff members are located at the center with additional faculty traveling from Morristown to the center. Additionally, over 30 adjunct faculty teach at the center each semester.

The campus is located at 215 North College Street in downtown Greeneville and was made available through the generous efforts of the governments of Greene County and the city of Greeneville, along

with the Walters State Foundation. In January, 2006 the facility was acquired by the State of Tennessee. Local information can be obtained by calling 423-798-7940.

## SEVIER COUNTY CAMPUS

### Purpose

The Sevier County Campus seeks to promote lifelong learning, as part of the college's overall mission, by responding to changing community needs and providing opportunities for enhancing the quality of life throughout the service area. Walters State's campus, located in Sevierville, strives to offer all classes in the general education core and technical education courses during the day and evening for many degree and certificate programs. Additionally, the office of Community and Economic Development provides non-credit (CEU) classes/training to individuals seeking to attain career or personal development goals. Specialized programs in Culinary Arts, Hotel and Restaurant Management and Professional Entertainment are provided to address the unique educational needs of Sevier County and its surrounding communities.

The 67-acre Sevier County Campus is located at 1720 Old Newport Highway in Sevierville approximately one-half mile from Highway 411. Currently three buildings, made available through the generous support of the governmental bodies and private contributions of citizens in Sevier County, house a variety of general education and select technology courses. Available in Maples-Marshall Hall are general education classrooms, computer laboratories, science laboratories, nursing skills laboratory/faculty and administrative offices. Classes in Allied Health, Public Safety, Natural Science and Computer Science and Information Technology are located in Maples-Marshall Hall. Cates-Cutshaw Hall houses 13 general education classrooms, two computer laboratories, a student study area, faculty, and administrative offices. Courses offered through the Behavioral/Social Science, Humanities, and Mathematics divisions are based in this building. The Conner-Short Center provides space for general education classes, professional entertainment, business, and culinary arts. This state-of-the-art facility has, in addition to general education classrooms, a dance studio, band room, private music practice rooms, a hot foods production kitchen, a demonstration kitchen, main dining room, student dining room, and administrative offices. Each of the buildings has the latest video streaming and instructional technology equipment in classrooms and public spaces. This campus serves over 1300 students per semester. Local information can be obtained by calling 865-774-5800.

### Cocke County Extension

Courses offered are scheduled during the evening hours on the campuses of Cocke County High School and Ben Hooper Vocational School. Students desiring local information should call 423-585-6899.

### Hawkins County Extension

Both general education and select technology courses are offered at various sites in Hawkins County. General education courses are offered during the evening hours while select technologies are offered both during the day and evening in order to meet community and industrial needs. Students desiring local information should call 423-585-6899.

### Other Distance Learning Opportunities

In addition to the above specified sites, credit courses are also offered on a requested basis at other off-campus locations. Please reference the Walters State website at [www.ws.edu](http://www.ws.edu).

The office of Distance Education also offers other learning opportunities for students who may not wish to travel to the main campus for all classes. Three types of distance learning opportunities, video conference, video stream, and web-based courses are currently offered.

**Video conferencing courses** follow traditional class meeting schedules, while providing students the opportunity to attend class sessions at one of three satellite centers (Greeneville, Sevierville, and New Tazewell) or at the main campus. The instructor can deliver instruction from any of the four sites to students at all locations. Students at the distance locations can see and interact with the instructor and students at other sites via closed circuit television technology. A variety of courses using this format are offered at the four sites listed above. *Video conferencing courses are good choices for students who may be unable to travel to the main campus for a particular course.*

**Web-based courses** offer students the opportunity to complete all or part of the work for a particular course via the Internet. These courses may follow a modified traditional class schedule or may meet only at selected times throughout the semester. *To complete all requirements for these courses students must be able to access the Internet.* Students may access the Internet through computer facilities at the college's library on the main campus in Morristown or at the satellite campuses in Greeneville, Sevierville, and New Tazewell, or secure access on their own. *The college is not responsible for obtaining or maintaining students' individual equipment or software for accessing the Internet.*

**Hybrid courses** combine traditional on-ground classes with web classes by dividing class time between traditional and online instruction. Students may utilize home computers or computer labs available on each Walters State campus to access instruction and to submit assignments. *Hybrid classes are good choices for students who need to limit the number of trips to campus, but who also like having some face-to-face contact with classmates and the instructor.*

**Video Streaming courses - Live Video Streaming courses** follow traditional class meeting schedules, while providing students the opportunity to attend class sessions at one of three satellite centers (Greeneville, Sevierville, and New Tazewell) or at the Morristown campus. Students at the distance locations can see and interact with the instructor and students at other sites via the Internet. *Live Video Streaming courses are good choices for students who may be unable to travel to the main campus for a particular course.* **Video on Demand** classes allow students to log onto taped classes at a time different than the live scheduled class meeting time and interact with the instructor and other students through email. *On demand video streaming courses are good choices for students who may be unable to travel to a campus regularly for a particular course.*

For more information about these distance learning opportunities, please reference the Walters State website at [www.ws.edu](http://www.ws.edu) or come by the office of Distance Education in room 108 of the Dr. Jack E. Campbell College Center, or call 423-585-6899. The office is open from 8 a.m. until 7 p.m. Monday through Thursday and from 8 a.m. until 4:30 p.m. on Fridays while classes are in session. When classes are not in session, office hours are from 8 a.m. until 4:30 p.m. Monday through Friday.

## R. JACK FISHMAN LIBRARY

### Purpose

The Library is an integral component of Walters State Community College whose main purpose is to provide the learning resources and related services needed by our students and faculty. All students, particularly Regents Online Degree Program (RODP) students who are being taught by a Walters State instructor, will be provided access to the instructional materials needed to complete the course. This includes both electronic and print resources. The informational resource services are provided by a comprehensive state-of-the-art system utilizing the speed and flexibility of computerized networking and the Internet system to deliver these resources wherever they are needed in the Walters State service area. Secondary emphasis is placed on providing services to citizens residing in the college's service area.

Located on the north end of the campus, the Library provides an atmosphere conducive for the pursuit of knowledge. The Library provides academic materials to the students and faculty which support and enrich the curriculum.

The staff of the Library provides orientation and professional consultation in the utilization of facilities and services. Assistance is provided to faculty, students and the community in the selection of books, periodicals, recordings, films and other related instructional materials. The Library has an Information Center which has been designated as an open academic lab for Walters State students. This lab is equipped with computer-related technology including academic software.

The Library provides to the students in a central location materials which will allow for alternative pathways to learning. To insure that the educational purposes and objectives are met, the Library strives to achieve the following:

1. Provide students a place to pursue academic and leisure interests.
2. Provide necessary supportive materials and equipment to the faculty and students.
3. Work with the faculty in selection of materials necessary for the educational program.
4. Teach students, through formal and informal classes, ways to use the Library more effectively.
5. Provide reference and advisory services to students working on Library-related academic research.
6. Make materials as accessible to students as possible.
7. Provide Internet access for students.
8. In cooperation with the Humanities and Mathematics divisions, tutorial services in these areas are available in the Library for English and mathematics students.
9. In cooperation with the Humanities division, the Library provides an art gallery for students and the community.

## INFORMATION AND EDUCATIONAL TECHNOLOGIES (IET)

The office of Information and Educational Technologies (IET) provides computing, telephone, and audio/visual services to students, faculty, and staff. The facilities are comprised of a closed circuit television control center, a video information control center, and a technical equipment repair center. The staff provides audio/visual support services including maintenance and operation of sound systems in specific locations and setup and operation of televisions and/or sound systems for special occasions. The closed circuit television system provides access to taped programming in any classroom/lab equipped with a television as well as to strategic locations throughout the campus. A distributed TV-based information system provides items of interest to students, staff, and visitors at all of our campuses. Video conferencing classrooms are connected to similar video conferencing classrooms in the Clifford H. "Bo" Henry Center for Business and Technology, Doggett Mathematics and Behavioral/Social Sciences Building and a classroom at each of the other three college campuses along with the Northeast State Technical Community College Center in Gray, Tennessee. Through the use of compressed video technology, classes originating at any one of these video conferencing classrooms can be received at other video conferencing classroom locations and provide simultaneous classroom interaction. The video conferencing classroom system can also be used to provide interactive teleconferencing services to other locations within the state, the nation, and the world. The office is responsible for providing all computer and telephone services within the institution. The staff provide consulting services in all aspects of the use of computer and audio/visual technologies.



## PROGRAMS OF STUDY

Walters State Community College offers university parallel programs designed to meet the needs of students who plan to transfer to a four-year institution in pursuit of the baccalaureate degree. The college also offers technical programs designed to prepare the student for entry into the job market upon completion of the program.

The degree and certificate offerings and the emphases of study available for the university parallel and technology programs at Walters State Community College are listed below.

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# UNIVERSITY PARALLEL PROGRAMS

## Associate of Arts, Associate of Science in Teaching and Associate of Science Degrees

### ARTICULATION AND TRANSFER

Students who intend to earn a Bachelor of Arts or Bachelor of Science degree at a four-year college or university may complete the first two years at Walters State by enrolling in the Associate of Arts or Associate of Science degree programs. The administration, faculty, and staff at Walters State work closely with the student and neighboring colleges and universities to help ensure smooth and accurate transfer. Course-by-course equivalency tables and articulation agreements with some four-year colleges and universities have been developed to ease transfer and assist the student and advisor with academic program development. For more information visit the Walters State web page at [www.ws.edu](http://www.ws.edu). Students following an articulation agreement with East Tennessee State University, Carson Newman College, Lincoln Memorial University, or the University of Tennessee-Knoxville must complete the Intent to Articulate Form in the department of Counseling and Testing and must graduate from Walters State Community College in order to have the agreement honored. Students should consult with their advisors, the Counseling Center at Walters State, or with the transfer institution for more information.

If no program articulation agreement is available for a particular school or major, students may choose to follow one of the university parallel curriculum guides (Associate of Arts or Associate of Science degree programs.) These "guides" are suggested courses of study designed to include general education and foundation courses needed for a major in a particular field at the baccalaureate level. Because each school has different requirements, the curriculum guides are not intended to represent requirements for any particular college or university. Students should consult a copy of the catalog of the senior institution to which they plan to transfer and use it during advisement and registration to make sure that the courses selected meet the first two years' requirements at that institution. Substitutions to meet requirements at a specific institution may be requested through the advisor provided the requirements for the Associate of Arts or the Associate of Science degrees are met.

All Walters State students are advised and encouraged to complete the associate degree prior to continuing their education elsewhere.

### GENERAL EDUCATION CORE REQUIREMENTS

Effective Fall Semester 2004, each institution in the State University and Community College System of Tennessee (The Tennessee Board of Regents System) will share a common lower-division general education core curriculum of forty-one (41) semester hours for baccalaureate degrees and the Associate of Arts and the Associate of Science degrees. Lower-division means freshman and sophomore courses. The courses comprising the general education curriculum are contained within the following subject categories:

#### Associate of Arts and Associate of Science Degrees and Baccalaureate Degrees\*

Communication	9 hours **
Humanities and/or Fine Arts (at least one course must be in literature)	9 hours
Social/Behavioral Sciences	6 hours
History	6 hours***
Natural Sciences	8 hours
Mathematics	3 hours
Total	41 hours

#### Associate of Science in Teaching

Communication	
ENGL 1010	Composition I.....3
ENGL 1020	Composition II.....3
SPCH 2010	Introduction to Speech Communication.....3
Humanities and/or Fine Arts	
MUS 1030	Music Appreciation
or	
ART 1030	Art Appreciation.....3
Approved Humanities General Education elective.....3	
Approved Literature General Education elective.....3	
History.....6	
HIST 2010	American History I
or	
HIST 2020	American History II
or	
HIST 2030	Tennessee History
Behavioral/Social Sciences.....6	
GEOG 1013	World Geography I
or	
POLI 1120	Introduction to American Government
or	
SOCI 1020	General Sociology, Institutions and Society
Mathematics	
MATH 1530	Probability and Statistics.....3
Natural Science	
BIOL 1030/1031	Concepts of Biology w/Lab.....4
CHEM 1030/1031	Concepts of Chemistry w/Lab.....4
Total	.....41

\*Foreign language courses are an additional requirement for the Associate of Arts (A.A.) and Bachelor of Arts (B.A.) degrees. The B.A. degree requires proficiency in a foreign language equivalent to completion of two years of college-level work. The A.A. degree requires proficiency in a foreign language equivalent to completion of one year of college-level work.

\*\*Six hours of English Composition and three hours in English oral presentational communication are required.

\*\*\*Students who plan to transfer to Tennessee Board of Regents (TBR) universities should take six hours of United States History (three hours of Tennessee History may substitute). Students who plan to transfer to University of Tennessee System universities or to out-of-state or private universities should check requirements and take the appropriate courses.

Although the courses designated by Tennessee Board of Regents (TBR) institutions to fulfill the requirements of the general education subject categories vary, transfer of the courses is assured through the following means:

- Upon completion of an A.A., A.S. or A.S.T. degree, the requirements of the lower-division general education core will be complete and accepted by a TBR university in the transfer process.

- If an A.A., A.S. or A.S.T. is not obtained, transfer of general education courses will be based upon fulfillment of complete subject categories. (Example: If all eight hours in the category of Natural Sciences are complete, then this "block" of the general education is complete.) When a subject category is incomplete, course-by-course evaluation will be conducted. The provision of block fulfillment pertains also to students who transfer among TBR universities.
- Institutional/departmental requirements of the grade of "C" will be honored. Even if credit is granted for a course, any specific requirements for the grade of "C" by the receiving institution will be enforced. Additionally, A.S.T. graduates must attain a 2.75 cumulative grade point average, successfully complete the Praxis I, score a satisfactory rating on an index of suitability for the teaching profession.
- In certain majors, specific courses must be taken also in general education. It is important that students and advisors be aware of any major requirements that must be fulfilled under lower-division general education.

Courses designated to fulfill general education by Walters State Community College are published on page 56 of this catalog. A complete listing of the courses fulfilling general education requirements for all system institutions is available on the TBR website [www.tbr.state.tn.us](http://www.tbr.state.tn.us) under Transfer and Articulation Information.

\*Programs in Natural Science and Mathematics may have more than forty-one (41) general education hours due to specific program requirements.

## ASSOCIATE OF APPLIED SCIENCE AND ACADEMIC/TECHNICAL CERTIFICATE PROGRAMS

Walters State offers associate of applied science degree and academic/technical certificate programs which prepare students for a specialized career. These programs are designed for the student who desires to enter employment upon graduation and does not intend to transfer to a baccalaureate degree program.

### Associate of Applied Science

Associate of Applied Science degree programs are designed to prepare students for immediate employment in a specialized area.

1. All component requirements are outcome oriented.
2. Degree major requirements are composed of a minimum of 60 semester credit hours.
3. The technical speciality component of the technical degree major consists of a minimum of 36 semester credit hours.
4. Minimum requirements as stipulated by the Tennessee Board of Regents and the Southern Association of Colleges and Schools are that each technical degree program contain 15-17 semester credit hours of general education. Each technical degree program at Walters State contains a minimum of 15 hours in general education courses. Components of this basic core of general education consists of a minimum of one course in each of the following areas:

	Semester Hours	
English Composition.....	3 hours	
Humanities and/or Fine Arts.....	3 hours	****
Social/Behavioral Sciences.....	3 hours	****
Natural Science/Mathematics.....	3-4 hours	****
One additional course from the categories of:****		
Communication, Humanities and/or Fine Arts,		
Social/Behavioral Sciences, or Natural Science/Mathematics.....	3-4 hours	
	15-17 hours	

\*\*\*\*Specific courses satisfying these requirements must be the same courses that satisfy the general education requirement for the associate (A.A./A.S.) and baccalaureate degrees.

### Academic/Technical Certificate

Programs leading to academic/technical certificates are offered in response to the various training needs of business and industry. Program standards are determined primarily by the training needs of business and industry and depict skill proficiency in a particular employment area.

### NOTES

1. See General Education courses on page 56.
2. A student interested in transferring to a baccalaureate degree program should see an advisor at Walters State and/or contact the appropriate department at the transfer institution for specifics. A student admitted to a technical education program is not required to complete high school units of study required for the student who plans to attend a university. **If a technical degree program student later decides to attend a state university, the high school deficiencies must be made up prior to being admitted to the university.**
3. Credit hours earned in remedial or developmental education courses are institutional credit; they are not applicable to credit hours required for an associate degree or academic/technical certificate.

# GENERAL EDUCATION

## Statement of Purpose

Walters State Community College requires a core of general education courses as part of each degree program. The purpose of general education is to provide students with a common set of learning experiences as a foundation for:

- solving problems of everyday life,
- participating intelligently in civic affairs,
- preparing for jobs, vocations, or professions and
- recognizing major elements of human culture.

What students need to know and be able to do to function in an increasingly technological workplace and in everyday life has its basis in both competencies and areas of understanding as a preparation for lifelong learning.

## Competencies

Students completing the general education core will minimally demonstrate competencies in each of the following areas:

1. The ability to **read** effectively, to differentiate one’s personal opinions from a writer’s, and to develop a functional vocabulary;
2. The ability to **write** clear, coherent, and grammatically correct expository prose and record, analyze, interpret and transmit information;
3. The ability to **communicate orally** and advocate effectively in a clear, persuasive, and grammatically correct manner;
4. The ability to analyze/discuss/and use quantitative information, demonstrate a reasonable level of facility in **mathematical** problem solving and recognize connections between mathematics and other disciplines;
5. The ability to use the **information technologies** including word processing, graphical presentation, electronic communication and information gathering.

## Areas of Understanding

Walters State Community College graduates will demonstrate a general understanding of the relationships between the various areas of academic study. In addition to the competencies referenced earlier, WSCC graduates will have:

- Acquired scientific and mathematical ways of thinking necessary for informed decision making;
- Developed through the multiple perspectives of different academic disciplines a perception of self in a social-historical and multi-cultural context;
- Developed an appreciation of beauty in nature, in literature, in music, and in other art forms;
- Recognized the value and dignity of being human, making ethical decisions, and behaving as responsible citizens and community members in a democratic society, and;
- Improved abilities of critical thinking, problem solving, higher order thinking and reasoning.

### Associate of Arts (A.A.) and Associate of Science (A.S.) Degrees

Communication.....	9 hours	*
Humanities and/or Fine Arts .....	9 hours	**
Social/Behavioral Sciences .....	6 hours	
History.....	6 hours	***
Natural Sciences .....	8 hours	
Mathematics.....	3 hours	
	41 hours	

\* Six (6) hours of English composition and three (3) hours in English oral presentational communication are required.

\*\*One course in literature is required.

\*\*\*Students who plan to transfer to Tennessee Board of Regents (TBR) universities should take six (6) hours of American History (three hours of Tennessee History may substitute). Students who plan to transfer to University of Tennessee System universities or to out-of-state or private universities should check requirements and take the appropriate courses.

Foreign language courses will be an additional requirement for the Associate of Arts and the Bachelor of Arts degrees.

### Associate of Applied Science (A.A.S.) Degrees

English Composition .....	3 hours	
Humanities and/or Fine Arts .....	3 hours	****
Social/Behavioral Sciences .....	3 hours	****
Natural Science/Mathematics.....	3 hours	****
One additional course from the categories of:****		
Communication, Humanities and/or Fine Arts,		
Social/Behavioral Sciences, or Natural Science/		
Mathematics.....	3-4 hours	
	15-17 hours	

\*\*\*\*Specific courses satisfying these requirements must be the same courses that satisfy the general education requirement for the associate (A.A./A.S.) and Baccalaureate degrees.

### Associate of Science Teaching (A.S.T.) Degree

Communication	
ENGL 1010	Composition I.....3
ENGL 1020	Composition II .....
SPCH 2010	Introduction to Speech Communication.....3
Humanities and/or Fine Arts	
MUS 1030	Music Appreciation
or	
ART 1030	Art Appreciation.....3
Approved Humanities General Education elective.....	3
Approved Literature General Education elective .....	3
History	.....6
HIST 2010	American History I
or	
HIST 2020	American History II
or	
HIST 2030	Tennessee History
Behavioral/Social Sciences .....	6
GEOG 1013	World Geography I
or	
POLI 1120	Introduction to American Government
or	
SOCI 1020	General Sociology, Institutions and Society
Mathematics	
MATH 1530	Probability and Statistics .....
Natural Science	
BIOL 1030/1031	Concepts of Biology w/Lab.....4
CHEM 1030/1031	Concepts of Chemistry/Lab .....
Total	.....41

## GENERAL EDUCATION COURSES

### COMMUNICATION

ENGL 1010	Composition I
ENGL 1020	Composition II
SPCH 2010	Introduction to Speech Communication

### HUMANITIES AND/OR FINE ARTS

ART 1030	Art Appreciation
ART 2040	Art History Survey I
ART 2050	Art History Survey II
ENGL 2110	American Literature I
ENGL 2120	American Literature II
ENGL 2410	Western World Literature I
ENGL 2420	Western World Literature II
HUM 1030	Introduction to Film Appreciation
HUM 2010	Humanities: The Human Adventure I
HUM 2110	Humanities: The Human Adventure II
MUS 1030	Music Appreciation
PHIL 1030	Human Nature and Life
PHIL 2020	Self and Values
PHIL 2210	Religions and Cultures
THEA 1030	Introduction to Theatre

### SOCIAL/BEHAVIORAL SCIENCE

ECON 2110	Principles of Economics I
ECON 2120	Principles of Economics II
GEOG 1012	Introduction to Cultural Geography
GEOG 1013	World Geography I
GEOG 1014	World Geography II
PHED 2000	Personal Wellness
POLI 1120	Introduction to American Government
POLI 2010	Introduction to Political Science
PSYC 1310	Introduction to Psychology
PSYC 2420	Developmental Psychology
SOCI 1020	General Sociology, Institutions and Society
SOCI 1240	Cultural Anthropology
SOCI 2020	Social Problems and Human Values

### HISTORY

HIST 1110	Survey of World Civilization I
HIST 1120	Survey of World Civilization II
HIST 2010	American History I
HIST 2020	American History II

### NATURAL SCIENCES

ASTR 1030/31	Astronomy and Lab
BIOL 1010/11	General Biology I and Lab
BIOL 1020/21	General Biology II and Lab
BIOL 1030/31	Concepts of Biology and Lab
BIOL 1110/11	Organization and Function of the Cell and Lab
BIOL 1120/21	Biodiversity and Lab
BIOL 2010/11	Human Anatomy and Physiology I and Lab
BIOL 2020/21	Human Anatomy and Physiology II and Lab
BIOL 2210/11	General Botany and Lab
CHEM 1000/01	Basic Chemistry and Lab
CHEM 1010/11	Introductory Chemistry and Lab
CHEM 1030/31	Concepts of Chemistry and Lab
CHEM 1110/11	General Chemistry I and Lab
CHEM 1120/21	General Chemistry II and Lab
GEOL 1030/31	Geology and Lab
PHYS 2010/11	General Physics I and Lab
PHYS 2020/21	General Physics II and Lab
PHYS 2110/11	Physics I and Lab
PHYS 2120/21	Physics II and Lab
PSCI 1030/31	Concepts of Earth and Space Science and Lab

### MATHEMATICS

MATH 1530	Probability and Statistics
MATH 1630	Finite Mathematics
MATH 1710	Pre-Calculus (Algebra)
MATH 1720	Pre-Calculus (Trigonometry)
MATH 1830	Calculus A
MATH 1910	Calculus I

**Associate of Arts/ Associate of Science degree programs** are designed for the student who desires to transfer to a four-year institution to pursue a baccalaureate degree. The information presented in a university parallel curriculum is not intended to represent requirements for any particular college or university. Students should consult articulation agreements, the catalog of the school to which they intend to transfer and their advisors for information on degree requirements.

**Associate of Science in Teaching** is a jointly developed degree through the TBR community colleges. Currently, students in the community colleges follow articulation agreements worked out with nearby four-year teacher preparation colleges. With the A.S.T., students will be able to enroll in any TBR teacher education program. Students intending to transfer to the UT system or private institutions should consult a faculty advisor on the appropriateness of this program for transfer.

**Associate of Applied Science and Academic/Technical Certificate programs** are designed for the student who desires to enter employment upon graduation and does not intend to transfer to a baccalaureate degree program. A student admitted to an Associate of Applied Science program is not required to complete high school units of study required for admission to a university. However, should the student later decide to attend a state university, the requirements must be completed prior to admission to a baccalaureate program.

**See an advisor for assistance in planning your academic program.**

## COMPUTER COMPETENCY REQUIREMENT

Walters State Community College is committed to the importance of computer competency. The college requires all degree-seeking students to demonstrate computer competency either by passing an exam or by successfully completing a designated computer course.

During the first thirty (30) hours of college-level course work at Walters State, students will discuss with their advisor the requirements in their major for proving computer competency. The advisor will determine which steps a student should follow to show proof of computer competency. For specific information, students can access the WSCC website [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

## WALTERS STATE ONLINE COURSES

Walters State offers the A.S. General degree on-line. Many other courses required to complete the Associate of Arts (A.A.), Associate of Science (A.S.), and Associate of Applied Science (A.A.S.) degrees at Walters State can be taken as web based courses as a part of the college's web-based courses. Web-based courses offer students the opportunity to complete all or part of the work for a particular course via the Internet. These courses may follow a modified traditional class schedule or may meet only at selected times throughout the semester. Some courses may not require any on-campus meetings. To complete all requirements for these courses, students must be able to access the Internet. Students may access the Internet through computer facilities at the college's library on the Morristown campus or at the satellite campuses in Greeneville, Sevierville, and New Tazewell, or secure access on their own. *The college is not responsible for obtaining or maintaining students' individual equipment or software for accessing the Internet.* A list of web based courses offered for a particular semester and required on-campus meeting schedules can be accessed at [online.ws.edu](http://online.ws.edu).



## THE REGENTS ON-LINE DEGREE PROGRAM

Beginning Fall 2001, the Tennessee Board of Regents colleges and universities joined together in offering Regents On-line Degree Programs (RODP). Courses completed in the Regents On-line Degree Programs will be entirely on-line and will be completely transferable among all the participating institutions which are fully accredited.

Walters State Community College joins with the other Tennessee Board of Regents institutions in offering the Regents On-line Degree Program (RODP). The five on-line degrees offered by Walters State are:

- Associate of Applied Science in Professional Studies Concentration in Information Technology
- Associate of Applied Science in Web Technology
- Associate of Applied Science in Early Childhood Education
- Associate of Arts in General Studies (University Parallel)
- Associate of Science in General Studies (University Parallel)
- Associate of Science in General Studies (University Parallel) for Teacher Aides and Paraprofessionals

For specific program information go to: <http://www.tn.regentsdegrees.org/campus/wscc>

## ACADEMIC DIVISIONS

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# ACADEMIC ENRICHMENT

## Purpose

The office of Academic Enrichment provides administration and leadership for the college's developmental education program and honors program relative to meeting the institution's stated mission. These programs are guided in meeting the special academic needs of its student constituency by a well-defined statement of purpose consistent with the overall mission of the college.

## DEVELOPMENTAL EDUCATION

The Developmental Education program provides assistance to students in developing those academic and social skills necessary for the successful completion of college work. Courses and activities are designed for students who lack minimum skills, as defined by the Tennessee Board of Regents, in reading comprehension, writing communication, mathematical computation, and study skills. Services provided include academic assessment, academic placement, and counseling-related programs and activities. This division is decentralized and integrated throughout the academic and student affairs units.

### Mathematics Program

The Developmental Mathematics program, a part of the Mathematics Division, assists students in developing the ability to perform mathematical computations, use measurements, make estimates and approximations, judge reasonableness of results, formulate and solve mathematical problems, select appropriate approaches and problem-solving tools, and use elementary concepts of probability and statistics. Developmental Mathematics courses are intended for students who need additional preparation in mathematics prior to enrolling in college level courses. These courses are not intended for transfer nor do they satisfy degree-credit requirements for any associate degree or technical certificate program. Some special admissions, registration, and retention policies apply to the Developmental Education program. Students are encouraged to seek additional information about these policies from the office of Academic Enrichment, 201-CCEN, 423-585-6914.

#### Developmental Mathematics (DSPM)

The following is a listing of Developmental Mathematics (DSPM) courses. Please refer to page 154 for a complete listing of course descriptions and credit hours.

DSPM 0700	Basic Mathematics
DSPM 0800	Elementary Algebra
DSPM 0850	Intermediate Algebra

### Reading Program

The Developmental Reading program, a part of the Humanities Division, assists students in developing the ability to read effectively, recognize different purposes and methods of writing, differentiate personal opinions and assumptions from a writer's, use texts and reference materials, and develop a functional college-level vocabulary. Developmental Reading courses are intended to help students develop the ability to read effectively at a level necessary to successfully complete college level studies. These courses are not intended for transfer nor do they satisfy degree-credit requirements for any associate degree or technical certificate program. Some special admissions, registration and retention policies apply to the Developmental Education program. Students are encouraged to seek additional information about these policies from the office of Academic Enrichment, 201-CCEN, 423-585-6914.

### Developmental Reading (DSPR)

The following is a listing of Developmental Reading (DSPR) courses. Please refer to page 167 for a complete listing of course descriptions and credit hours.

DSPR 0700	Basic Reading
DSPR 0800	Developmental Reading

Sections with the suffix **ESL** (English as a Second Language) are for students whose native language is not English. These sections will stress idiomatic language through exercises and listening as well as speaking.

### Writing Program

The Developmental Writing program, a part of the Humanities Division, assists students in developing the ability to write effectively utilizing standard English, vary writing style, and improve the ability to gather information. Developmental writing courses are intended for students who need additional preparation in writing and spelling prior to enrolling in college level courses using these skills. These courses are not intended for transfer nor do they satisfy degree-credit requirements for any associate degree or technical certificate program. Some special admissions, registration, and retention policies apply to the Developmental Education program. Students are encouraged to seek additional information about these policies from the office of Academic Enrichment, 201-CCEN, 423-585-6914.

### Developmental Writing (DSPW)

The following is a listing of Developmental Writing (DSPW) courses. Please refer to page 141 for a complete listing of course descriptions and credit hours.

DSPW 0700	Basic Writing
DSPW 0800	Developmental Writing

Sections with the suffix **ESL** (English as a Second Language) are for students whose native language is not English. These sections will stress idiomatic language through exercises and listening as well as speaking.

### English as a Second Language (ESL)

1. As a result of tests and interviews, non-native English speakers will be placed in the appropriate **ESL writing, reading, and language laboratory** sections and other classes. The core 9-hour program is required of all beginning ESL students.
2. ESL students enrolled in 0700 reading and writing courses are limited to the core courses until satisfactory completion. However, ESL students enrolled in 0800 level writing and/or reading classes may begin their math sequence and the required study skills course.
3. Students enrolled in 0800 level writing courses may take, in addition to study skills and math classes, any of the following courses.

#### KEYBOARDING

ADOA 1040	Keyboarding .....	3 credits
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## ART ACTIVITIES

ART	2410	Ceramics I.....	3 credits
ART	2420	Ceramics II.....	3 credits
ART	2510	Painting I.....	3 credits
ART	2520	Painting II.....	3 credits
ART	2610	Sculpture I.....	3 credits
ART	2620	Sculpture II.....	3 credits
ART	2710	Printmaking I.....	3 credits
ART	2720	Printmaking II.....	3 credits

## MUSIC ACTIVITIES

MUS	1050	Concert Choir.....	1 credit
MUS	1060	College-Community Chorale.....	1 credit
MUS	1912, 1922, 1932, 1933, 1934, 1935, 1936, 1937	Individual Music Instruction in Voice, Keyboard, Instrument, Guitar, Woodwinds, Brass, Percussion, or Strings.....	1-2 credits

## PHYSICAL ACTIVITIES

PHED	1010	Physical Conditioning.....	1 credit
PHED	1020	Adaptive Physical Education.....	1 credit
PHED	1110	Archery.....	1 credit
PHED	1210	Badminton.....	1 credit
PHED	1250	Tennis.....	1 credit
PHED	1410	Bowling.....	1 credit
PHED	1610	Golf.....	1 credit
PHED	1710	Soccer.....	1 credit
PHED	1810	Karate.....	1 credit

4. Students will be allowed to enroll in other college level courses only upon successful completion of DSPW 0800 plus any other required developmental courses **and passing the TOEFL.**

### Learning Strategies Program

The Learning Strategies program, a part of the Behavioral/Social Science Division, assists students in the development of multiple study skills including setting goals and priorities, following schedules, locating and using resources external to the classroom, using general special vocabularies for reading, writing, speaking, listening, computing, and note taking. The program focuses attention on learning to utilize college resources, test-taking, and facilitating abilities of recall. These courses are not intended for transfer nor do they satisfy degree-credit requirements for any associate degree or academic/technical certificate program. Some special admissions, registration, and retention policies apply to the Developmental Education program. Students are encouraged to seek additional information about these policies from the office of Academic Enrichment, 201-CCEN, 423-585-6914.

Please refer to page 138 for a complete listing of course descriptions and credit hours.

DSPS 0800 Learning Strategies

### Assessment, Testing, Orientation, Counseling, and Retention

The Assessment, Testing, Orientation, and Counseling program is a part of the organizational areas of Counseling and Testing and Student Information. The program identifies students deficient in one or more of the areas of reading, English, or mathematics; assesses appropriate students for placement and for counseling-related services for academic and personal guidance, vocational, developmental, transitional, career, and/or emotional concerns.

The office of the program director provides a broad range of academic and student services. Additionally, the office of the program director provides research for program decision-making, reporting retention and enrollment data, monitoring developmental education class attendance, and monitoring college-wide student retention.

### HONORS PROGRAM

The purpose of the Honors Program is to enhance the highest level opportunities of academic excellence by providing an enriched curriculum and educational experience for superior students desiring to intensify their academic pursuits. Honor students will experience the highest level of academic challenge and quality from dedicated faculty who share a commitment of excellence in teaching and service.

#### Acceptance in the Honors Program - Terms and Conditions

To be accepted and to maintain good standing in the Walters State Campus Honors Program, a student must have an ACT composite score of 24 and complete the honors core program. Students who are 21 years of age or older without an ACT composite of 24 may submit both a score of 68 or above on the writing portion and a 50 or above on the algebra portion of the Computer Placement Assessment and Support System (COMPASS) in place of the ACT. After one or more semesters at Walters State, a student with a cumulative grade point average of 3.5 in 12 or more college-level hours may apply.

#### Honors Course Requirement

Successfully complete a total of 18 Honors credits including the Honors required courses or equivalent.

#### Grade Point Average

Maintain a 3.25 cumulative grade point average (GPA) per year and earn a 2.8 or higher in any one term. Grades are monitored after each term.

Additional information may be obtained in the office of Academic Enrichment, 201-CCEN or call 423-585-6914.

# DIVISION OF BEHAVIORAL/SOCIAL SCIENCES

## Purpose

The Behavioral/Social Sciences division provides a curriculum designed to examine those social aspects of human culture that relate to the individual, the group, and organization in the environment. The behavioral/social sciences, collectively, provide: 1) preparation for elementary and secondary teaching; 2) study of human spatial variation in relationship to the physical environment; 3) examination of the past record of human social life and its relationship to change, and continuity; 4) study of national and international political cultures and institutions; 5) examination of individual mind processes and theories of human behavior; 6) study of groups, social institutions, culture, and bureaucracies; 7) a wide variety of sports and fitness activities emphasizing health and physical fitness; and 8) human development courses designed to improve study skills and increase the likelihood of student success.

## DEGREES OFFERED IN DIVISION

### GENERAL

This program of study serves as a foundation for those students who need a broad, general liberal education, with the ultimate goal of transfer to another higher education institution.

#### Degree: Associate of Science Emphasis: General

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature General Education elective <sup>1</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/ Social Sciences		
Approved Behavioral/Social Science elective <sup>1</sup> .....		6
Mathematics		
Approved Mathematics General Education elective <sup>1</sup> .....		3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
EDUC 1010	Freshman Experience.....	1
or		
PHED	Physical Education Activity	
ELECTIVES <sup>3</sup>	.....	18
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup>General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup>See senior institution for history requirements.  
<sup>3</sup>Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### AMERICAN STUDIES

This program of study serves as a foundation for those students who need a broad, diverse liberal education, with the ultimate goal of transfer to another higher education institution. Students typically enter this degree with the intent of majoring in Interdisciplinary Programs at the transfer institution.

#### Degree: Associate of Science Emphasis: American Studies

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110 American Literature I .....		3
PHIL 2210 Religions and Cultures .....		3
Approved Humanities General Education elective <sup>1,3</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/Social Sciences		
POLI 1120 Introduction to American Government.....		3
SOC 1020 General Sociology, Institutions and Society .....		3
Mathematics		
Approved Mathematics General Education elective <sup>1,3</sup> .....		3
<b>Select from:</b>		
MATH 1530	Probability and Statistics	
MATH 1630	Finite Mathematics	
MATH 1710	Pre-Calculus (Algebra)	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
ENGL 2120	American Literature II .....	3
EDUC 1010	Freshman Experience.....	1
SOCI 2110	Family, Society, and the Individual.....	3
or		
SOCI 1240 Introduction to Cultural Anthropology		
Foreign Language (Intermediate Sequence).....		6
CPSC 1100	Using Information Technology .....	3
ELECTIVES <sup>3</sup>	.....	3
<b>Select from:</b>		
Behavioral/Social Science		
PHED Activity		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup>General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup>See senior institution for history requirements.  
<sup>3</sup>Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. **CPSC 1100** satisfies the college's computer competency requirement.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## Department of History, Geography, and Political Science

### Purpose

The department of history, geography, and political science introduces the student to the social sciences and the methodology employed in the disciplines of history, geography, and political science. More specifically, the department examines: 1) through its history classes, the past record of human existence; 2) through its geography classes, the study of humankind's relationship to its physical environment; and 3) through its political science classes, the study of political processes, institutions, and cultures.

### GEOGRAPHY

Geography, through a study of the physical environment and spatial variation in human activity, provides a program of study about the relationship between the natural and social sciences.

#### Degree: Associate of Science

#### Emphasis: Geography

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Literature General Education electives <sup>1,3</sup> .....		
Approved Humanities General Education electives <sup>1,3</sup> .....		
<b>Select One Course From:</b>		
PHIL 1030	Human Nature and Life	
PHIL 2020	Self and Values	
PHIL 2210	Religions and Cultures	
<b>Select One Course From:</b>		
ART 2040	Art History Survey I	
ART 2050	Art History Survey II	
MUS 1030	Music Appreciation	
Literature (different than course used for literature requirement)		
History		
Approved History General Education electives <sup>2</sup> .....		
Behavioral/Social Sciences		
POLI 2010	Introduction to Political Science .....	3
SOCI 1020	General Sociology, Institutions and Society .....	3
Mathematics		
Approved Mathematics General Education elective <sup>1,3</sup> .....		
<b>Select from:</b>		
MATH 1530	Probability and Statistics	
MATH 1630	Finite Mathematics	
MATH 1710	Pre-Calculus (Algebra)	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
CPSC 1100	Using Information Technology .....	3
or		
PHED 2000	Personal Wellness	
EDUC 1010	Freshman Experience .....	1
or		
PHED Activity Course		
GEOG 1012	Introduction to Cultural Geography .....	3
GEOG 1013	World Geography I .....	3
GEOG 1014	World Geography II .....	3
ELECTIVES <sup>3</sup>	.....	6
<b>Select from:</b>		
Foreign Language (Intermediate Sequence)		
Behavioral and Social Science		
Literature		
Mathematics		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### HISTORY

History provides an objective lesson in how the past affects the present. The study of history involves an examination of the past record of human life, a sense of cause and effect, continuity and change, and events that have led to the present.

#### Degree: Associate of Science

#### Emphasis: History

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Literature General Education electives <sup>1,3</sup> .....		
Approved Humanities General Education electives <sup>1,3</sup> .....		
<b>Select One Course From:</b>		
PHIL 1030	Human Nature and Life	
PHIL 2020	Self and Values	
PHIL 2210	Religions and Cultures	
<b>Select One Course From:</b>		
ART 2040	Art History Survey I	
ART 2050	Art History Survey II	
MUS 1030	Music Appreciation	
THEA 1030	Introduction to Theatre	
Literature (different than course used for literature requirement)		
History		
HIST 2010	American History I .....	3
HIST 2020	American History II .....	3
Behavioral/Social Science		
POLI 1120	Introduction to American Government .....	3
PSYC 1310	Introduction to Psychology .....	3
Mathematics		
Approved Mathematics General Education elective <sup>1,3</sup> .....		
<b>Select from:</b>		
MATH 1530	Probability and Statistics	
MATH 1630	Finite Mathematics	
MATH 1710	Pre-Calculus (Algebra)	
Natural Science		
Approved Natural Science General Education elective <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
<b>Select one course from:</b> <sup>2</sup> .....		
GEOG 1012	Introduction to Cultural Geography	
GEOG 1013	World Geography I	
GEOG 1014	World Geography II	
HIST 1110	Survey of World Civilization I .....	3
HIST 1120	Survey of World Civilization II .....	3
EDUC 1010	The Freshman Experience .....	1
or		
PHED Activity course		
ELECTIVES <sup>3</sup>	.....	9
<b>Select from:</b>		
CPSC 1100 Using Information Technology		
Intermediate Foreign Language Sequence		
Behavioral/Social Science		
Literature		
Mathematics		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**POLITICAL SCIENCE**

Political Science focuses on the study of political cultures and political institutions as a preparation for citizenship in the community, nation and world.

**Degree: Associate of Arts**

**Emphasis: Political Science**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education elective <sup>1,3</sup> .....		6
<b>Select one course from:</b>		
PHIL 1030	Human Nature and Life	
PHIL 2020	Self and Values	
PHIL 2210	Religions and Cultures	
<b>Select one course from:</b>		
ART 1030	Art Appreciation	
ART 2040	Art History I	
ART 2050	Art History II	
MUS 1030	Music Appreciation	
HUM 2010	Human Adventure I	
HUM 2110	Human Adventure II	
THEA 1030	Introduction to Theatre	
Approved Literature General Education elective <sup>1</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/Social Science General Education elective <sup>1,3</sup> ....		3
Mathematics		
Approved Mathematics General Education elective <sup>1,3</sup> .....		3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
POLI 1120	Introduction to American Government .....	3
POLI 2010	Introduction to Political Science.....	3
POLI 2990	Problems in Political Science .....	3
FOREIGN LANGUAGE (Intermediate sequence) .....		6
EDUC 1010	Freshman Experience.....	1
or		
PHED	Physical Education Activity	
CPSC 1100	Using Information Technology .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> See senior institution for history requirements.  
<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer science requirement.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**SPECIAL COURSE OFFERING**

**MILITARY SCIENCE**

Military Science operates as a cooperative effort with Carson-Newman College and provides information on courses pertaining to the nature and function of the US Military including military history of the United States, leadership, management and basic officership. Students who successfully complete the military science courses at WSCC may be able to enter Advanced Reserve Officer Training Corps programs at Carson-Newman or other four-year colleges and universities.

## Department of Education

### Purpose

The department of Education introduces aspiring teachers to the best practices to facilitate teacher leadership. The two-year program is designed to help students gain acceptance into the teacher preparation programs at four-year institutions. The learning strategies component forms the springboard for the continual processes of personal, intellectual, and academic development and exists to help students discover their innate ability to learn. Further, the physical education, health, and recreation component adheres to fundamental and applied concepts of scientific study in the historical, social, psychological, environmental, experiential, and physical way of thinking and learning by offering educational, sports, and fitness activity classes with the emphasis on "wellness and fitness for life". The department curriculum is designed to meet academic, professional, physical, social, and emotional needs of students.

### ELEMENTARY EDUCATION

This two-year program is designed to help students gain acceptance into teacher preparation programs at four-year institutions.

#### Degree: Associate of Science

#### Emphasis: Elementary Education

Course No.	Course Title	Credit Hours
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#### General Education Requirements (41 hours)

##### Communication

ENGL 1010	Composition I	3
ENGL 1020	Composition II	3
SPCH 2010	Introduction to Speech Communication	3

##### Humanities and/or Fine Arts

Approved Humanities General Education electives <sup>1,3</sup>		6
Approved Literature General Education elective <sup>1,3</sup>		3

##### History

Approved History General Education electives <sup>2</sup>		6
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##### Behavioral/ Social Sciences

Approved Behavioral/Social Science elective <sup>1,3</sup>		6
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#### Select from:

POLI 1120 Introduction to American Government

or

POLI 2010 Introduction to Political Science

SOCI 1020 General Sociology

or

SOCI 2020 Social Problems and Human Values

GEOG 1012 Cultural Geography

or

GEOG 1013 World Regional Geography I

or

GEOG 1014 World Regional Geography II

##### Mathematics

MATH 1530	Probability and Statistics	3
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##### Natural Science

Approved Natural Science w/Lab General Education electives <sup>1,3</sup>		8
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#### Select from:

ASTR 1030/31 Astronomy w/Lab

BIOL 1010/11 General Biology I w/Lab

BIOL 1020/21 General Biology II w/Lab

BIOL 1030/31 Concepts of Biology w/Lab

CHEM 1000/01 Basic Chemistry w/Lab

CHEM 1030/31 Concepts of Chemistry w/Lab

GEOL 1030/31 Geology w/Lab

#### Area of Emphasis Requirements (19 hours)

EDUC 2010	Psychology of Human Development for Teachers	3
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or

EDUC 2300 Introduction to Education

PSCI 1030/31	Concepts of Earth and Space Science w/Lab	4
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Mathematics Elective <sup>3</sup>		3
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#### Select from:

MATH 1410 Number Concepts and Algebraic Structures

MATH 1420 Problem Solving, Geometry and Statistics

MATH 1630 Finite Mathematics

MATH 1710 Pre-Calculus (Algebra)

MATH 1720 Pre-Calculus (Trigonometry)

Major Electives <sup>3</sup>		9
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#### Select from:

EDUC 2010 Psychology of Human Development for Teachers

EDUC 2300 Introduction to Education

EDUC 2910 Field Study in Education

HLTH 2310 Safety and First Aid

PHED 2810 Skill and Teaching of Elementary Activities and

Movement Education

PSYC 1310 Introduction to Psychology

PSYC 2410 Psychology of Childhood and Adolescence

PSYC 2420 Development Across the Lifespan

SPED 2010 Introduction to Special Education

Intermediate Foreign Language Sequence

Mathematics

Literature

#### Total Credit Hours

60

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and migrate to the "computer competency" page.

- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## ASSOCIATE OF SCIENCE IN TEACHING

The Associate of Science in Teaching degree is a jointly developed degree through the TBR community colleges. Currently, students in the community colleges follow articulation agreements worked out with nearby four-year teacher preparation colleges. With the AST, students will be able to finish at any community college and be able to enroll in any TBR teacher education program. Students intending to transfer to the UT system or private institutions should consult a faculty advisor on the appropriateness of this program for transfer.

### Degree: Associate of Science in Teaching

#### Emphasis: K-6

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts .....		
MUS 1030	Music Appreciation .....	3
or		
ART 1030	Art Appreciation .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
Approved Literature General Education elective <sup>1</sup> .....		
History .....		
HIST 2010	American History I .....	3
or		
HIST 2020	American History II .....	3
or		
HIST 2030	Tennessee History .....	3
Behavioral/ Social Sciences.....		
GEOG 1013	World Geography I .....	3
or		
POLI 1120	Introduction to American Government .....	3
or		
SOCI 1020	General Sociology .....	3
Mathematics .....		
MATH 1530	Probability and Statistics.....	3
Natural Science .....		
BIOL 1030/31	Concepts of Biology w/Lab .....	4
CHEM 1030/31	Concepts of Chemistry w/Lab .....	4
<b>Area of Emphasis Requirements (19 hours)</b>		
EDUC 2300	Introduction to Education.....	3
MATH 1410	Number Concepts and Algebraic Structures.....	3
MATH 1420	Problem Solving, Geometry and Statistics.....	3
PSYC 2420	Development Across the Lifespan .....	3
or		
EDUC 2010	Psychology of Human Development for Teachers .....	3
SPED 2010	Introduction to Special Education.....	3
or		
ECED 2060	Development of the Exceptional Child .....	3
PSCI 1030/31	Concepts of Earth and Space Science w/Lab .....	4
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

#### Additional Degree Requirements

- ACT composite 22 or successful completion of Praxis I
- Successful completion of Praxis I
- Satisfactory rating on an index of suitability for the teaching profession (procedure will be developed through collaboration between university and community college representatives)

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## PHYSICAL EDUCATION, HEALTH AND RECREATION

Physical Education, Health, and Recreation offers educational, sports, and fitness activity classes with the emphasis on "Fitness for Life." The curriculum is designed to meet the physical, social and emotional needs of students.

### Degree: Associate of Science

#### Emphasis: Physical Education, Health and Recreation

Course No.	Course Title	Credit Hours
<b>General Education Courses (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Literature General Education elective <sup>1,3</sup> .....		
Approved Humanities General Education elective <sup>1,3</sup> .....		
<b>Select one course from:</b>		
PHIL 1030	Human Nature and Life .....	3
PHIL 2020	Self and Values .....	3
PHIL 2210	Religions and Cultures .....	3
<b>Select one course from:</b>		
ART 1030	Art Appreciation .....	3
MUS 1030	Music Appreciation .....	3
HUM 2010	Human Adventure I .....	3
HUM 2110	Human Adventure II .....	3
History		
Approved History General Education electives <sup>2</sup> .....		
Behavioral/Social Sciences		
Approved Behavioral/Social Science Elective <sup>1</sup> .....		
<b>Select two courses from:</b>		
ECON 2110	Principles of Economics I .....	3
POLI 1120	Introduction to American Government .....	3
PSYC 1310	Introduction to Psychology .....	3
PSYC 2420	Development Across the Lifespan .....	3
SOCI 1020	General Sociology, Institutions .....	3
SOCI 1240	Introduction to Cultural Anthropology .....	3
SOCI 2020	Social Problems and Human Values .....	3
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
BIOL 2010	Human Anatomy and Physiology I .....	3
BIOL 2011	Human Anatomy and Physiology I Lab.....	1
BIOL 2020	Human Anatomy and Physiology II .....	3
BIOL 2021	Human Anatomy and Physiology II Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
EDUC 2300	Introduction to Education.....	3
PHED 2010	Introduction to Health, Physical Education and Recreation .....	3
ELECTIVES <sup>3</sup> .....		
<b>Select from:</b>		
PHED	Physical Education Activity .....	3
or		
EDUC 1010	Freshman Experience (may substitute CPSC 1100) .....	3
EDUC 2010	Psychology of Human Development for Teachers .....	3
EDUC 2910	Field Study in Education .....	3
HLTH 2310	Safety and First Aid .....	3
PHED 1910	Aquatics .....	3
PHED 2000	Personal Wellness .....	3
PHED 2110	Human Motor Behavior .....	3
PHED 2320	Care and Treatment of Athletic Injuries .....	3
PHED 2810	Skills and Teaching of Elementary Activities and Movement Education .....	3
MATH 1630	Finite Mathematics .....	3
SPED 2010	Introduction to Special Education .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Additional coursework and activity courses will need to be taken to prepare for transfer to some four-year institutions. See your advisor in the Behavioral and Social Sciences Division for more information.
- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## SECONDARY EDUCATION

This two-year program is designed to help students gain acceptance into teacher preparation programs at four-year institutions.

### Degree: Associate of Science Emphasis: Secondary Education

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1,3</sup> .....		6
Approved Literature General Education elective <sup>1,3</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science electives <sup>1,3</sup> .....		6
Mathematics		
Approved Mathematics General Education elective <sup>1,3</sup> .....		3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1,3</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
EDUC 2010	Psychology of Human Development for Teachers.....	3
or		
EDUC 2300	Introduction to Education	
ELECTIVES <sup>3</sup>	.....	16
<b>Select from:</b>		
PHED	Physical Education Activity.....	1
or		
EDUC 1010	Freshman Experience (may substitute CPSC 1100)	
SPED 2010	Introduction to Special Education	
EDUC 2010	Psychology of Human Development for Teachers	
EDUC 2300	Introduction to Education	
EDUC 2910	Field Study in Education	
	Foreign Language (Intermediate Sequence)	
	Literature	
	Mathematics	
	Major Subject Area Course	—
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

• Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

• High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## SPECIAL EDUCATION

This two-year program is designed to help students gain acceptance into teacher preparation programs at four-year institutions.

### Degree: Associate of Science Emphasis: Special Education

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1,3</sup> .....		6
Approved Literature General Education elective <sup>1,3</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science electives <sup>1,3</sup> .....		6
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1,3</sup> .....		8
<b>Select from:</b>		
ASTR 1030/31	Astronomy w/Lab	
BIOL 1010/11	General Biology I w/Lab	
BIOL 1020/21	General Biology II w/Lab	
CHEM 1000/01	Basic Chemistry w/Lab	
GEOL 1030/31	Geology w/Lab	
<b>Area of Emphasis Requirements (19 hours)</b>		
EDUC 2010	Psychology of Human Development for Teachers.....	3
or		
EDUC 2300	Introduction to Education	
SPED 2010	Introduction to Special Education.....	3
ELECTIVES <sup>3</sup>	.....	13
<b>Select from:</b>		
PHED	Physical Education Activity.....	1
or		
EDUC 1010	Freshman Experience (may substitute CPSC 1100)	
EDUC 2010	Psychology of Human Development for Teachers	
EDUC 2300	Introduction to Education	
EDUC 2910	Field Study in Education	
HLTH 2310	Safety and First Aid	
PSYC 2420	Development Across the Lifespan	
	Foreign Language (Intermediate Sequence)	
	Literature	
	Mathematics	—
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

• Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

• High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## EARLY CHILDHOOD EDUCATION

The Early Childhood Education program prepares students to assume management, supervisory and teaching positions in child development early learning center programs and/or transfer to a baccalaureate program at a four-year institution. The program is also designed to meet the education and retraining needs of those already employed in early childhood occupations.

**Degree: Associate of Science**

**Emphasis: Early Childhood Education**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
	Approved Humanities General Education elective <sup>1,2</sup> .....	6
	Approved Literature General Education elective <sup>1,2</sup> .....	3
History		
	Approved History General Education electives <sup>1,2</sup> .....	6
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science General Education elective <sup>1,2</sup> ....	6
Mathematics		
	Approved Mathematics General Education elective <sup>1,2</sup> .....	3
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>1,2</sup> .....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
With the recommendation of an Early Childhood Education advisor, students will choose 19 hours of early childhood education or related coursework based on the requirements of the senior institution to fulfill their area of emphasis.		
	Approved area of emphasis hours <sup>2</sup> .....	19
	<b>Total Credit Hours</b>	<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on "computer competency."
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**Degree: Associate of Applied Science**

**Emphasis: Early Childhood Education**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
	Approved Humanities General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science General Education elective <sup>1</sup> .....	3
Mathematics		
	Approved Mathematics General Education elective <sup>1</sup> .....	3
Natural Science		
	Approved Natural Science w/Lab General Education elective <sup>1</sup> .....	4

**Area of Emphasis Requirements (44 hours)**

	One approved General Education elective.....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
ECED 1010	Introduction to Early Childhood Education .....	2
* ECED 2010	Safe, Healthy Learning Environment.....	3
* ECED 2015	Early Childhood Curriculum .....	3
ECED 2020	Infant, Toddler, Child Development .....	3
* ECED 2040	Family Dynamics and Community Involvement.....	3
ECED 2060	Development of Exceptional Children.....	3
ECED 2070	Developmental Assessment.....	3
ECED 2080	Language and Literacy in Early Childhood .....	3
ECED 2085	Math and Science in Early Education.....	3
* ECED 2130	Clinical Practicum I.....	2
ECED 2140	Clinical Practicum II.....	2
ECED 2150	Clinical Practicum III.....	2
ELECTIVE <sup>1</sup>	ECED Elective .....	3

**Select from:**

ECED 2030	Infant and Toddler Care
ECED 2050	Psychomotor Development
ECED 2090	Creative Development
ECED 2100	The Mentoring Teacher
ECED 2110	Advanced Learning Environments
ECED 2120	Administration of Childcare Centers
ENGL 2230	Literature for Children
ECED 2990	Special Problems in Early Childhood Development

**Total Credit Hours 60**

\* These courses meet the educational requirements for National Child Development Associate (CDA) credentialing preparation.

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on "computer competency."
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.



## Department of Psychology, Sociology, and Social Work

### Purpose

The department of Psychology, Sociology, and Social Work has created programs of study designed for students who plan to transfer to a four-year institution to complete a baccalaureate degree. The degrees of study within the department include the Associate of Science degree in Psychology, Sociology/Anthropology, African-American Studies, and Social Work. The foundation of the curricula is General Education, with courses that emphasize skill development in areas such as cultural diversity, research, human behavior, social problems, and service learning. The faculty continuously seek ways to combine classroom knowledge with technology and hands-on experience, which in the long run, only produce knowledgeable students.

### AFRICAN-AMERICAN STUDIES

This program of study serves as a foundation for those students who need a broad, diverse liberal education, with the ultimate goal of transfer to another higher education institution. Students typically enter this degree with the intent of majoring in Interdisciplinary Programs at the transfer institution.

#### Degree: Associate of Science

#### Emphasis: African-American Studies

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
	Approved Humanities General Education elective <sup>1</sup> .....	3
History		
	Approved History General Education electives <sup>2</sup> .....	6
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology.....	3
SOCI 1020	General Sociology, Institutions and Society.....	3
Mathematics		
MATH 1630	Finite Mathematics .....	3
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>1</sup> .....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
SOCI 1240	Introduction to Cultural Anthropology.....	3
SOCI 1005	Cultural Studies: The African-American Experience I and .....	3
SOCI 1010	Cultural Studies: The African-American Experience II.....	3
<b>or</b>		
HUM 2020	Introduction to African-American Studies I and	
HUM 2030	Introduction to African-American Studies II	
ELECTIVES <sup>3</sup>	.....	10
<b>Select from:</b>		
CPSC 1100	Using Information Technology	
EDUC 1010	Freshman Experience	
POLI 2010	Introduction to Political Science	
ECON 2110	Principles of Economics I	
	Foreign Language (Intermediate Sequence)	
	Physical Education Activity	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### PSYCHOLOGY

Psychology focuses on the study of behavior and mental processes. Facts, theories, and hypotheses about people are examined within the framework of psychological research and knowledge.

#### Degree: Associate of Science

#### Emphasis: Psychology

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
PHIL 2020	Self and Values .....	3
	Literature <sup>1</sup> .....	3
	Approved Humanities General Education elective <sup>1</sup> .....	3
History		
	Approved History General Education electives <sup>2</sup> .....	6
Behavioral/ Social Sciences		
PSYC 1310	Introduction to Psychology.....	3
SOCI 1020	General Sociology, Institutions and Society .....	3
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>1</sup> .....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
PSYC 2310	Abnormal Psychology .....	3
PSYC 2420	Developmental Psychology .....	3
ELECTIVES <sup>3</sup>	.....	10
<b>Select from:</b>		
PSYC 2220	The Psychology of Human Sexuality	
PSYC 2240	Social Psychology	
PSYC 2320	The Psychology of Helping	
PSYC 2340	Psychology of Adjustment	
PSYC 2410	Psychology of Childhood & Adolescence	
PSYC 2990	Problems in Psychology	
SOCI 1240	Introduction to Cultural Anthropology	
SOCI 2020	Social Problems and Human Values	
SOCI 2110	The Family, Society, and the Individual	
CPSC 1100	Using Information Technology	
MATH 1630	Finite Mathematics	
MATH 1830	Calculus A	
MATH 1910	Calculus I	
EDUC 1010	Freshman Experience	
PHED 2000	Personal Wellness	
	Physical Education Activity	
	Foreign Language (Intermediate sequence)	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**SOCIOLOGY**

Sociology uses social science perspectives and methods to study human behavior, cultures, and societies. Sociology provides preparation for those working with global and local social institutions, policies, and problems. This degree prepares the student for transfer to a senior institution.

**Degree: Associate of Science**

**Emphasis: Sociology/Anthropology**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology.....	3
SOCI 1020	General Sociology, Institutions and Society.....	3
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
SOCI 1240	Introduction to Cultural Anthropology.....	3
SOCI 2020	Social Problems and Human Values .....	3
SOCI 2110	The Family, Society and the Individual.....	3
ELECTIVES <sup>3</sup>	.....	10
<b>Select from:</b>		
CPSC 1100	Using Information Technology	
EDUC 1010	Freshman Experience	
MATH 1630	Finite Mathematics	
MATH 1830	Calculus A	
MATH 1910	Calculus I	
PHED	Any Physical Education Activity	
PHED 2000	Personal Wellness	
PHIL 2020	Self and Values	
PHIL 1030	Human Nature and Life	
PHIL 2210	Religions and Cultures	
	Foreign Language (Intermediate sequence)	___
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup>General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> See senior institution for history requirements.  
<sup>3</sup>Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**SOCIAL WORK**

The social work curriculum is designed to prepare students to transfer to colleges and universities offering a bachelor’s degree in social work. The associate of science degree builds on a liberal arts base and includes an array of courses from such fields as psychology, sociology, political sciences and economics.

**Degree: Associate of Science**

**Emphasis: Social Work**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
PHIL 2020 Self and Values .....		3
Approved Humanities General Education elective <sup>1</sup> .....		3
Approved Literature General Education elective <sup>1</sup> .....		3
History		
Approved History General Education electives <sup>2</sup> .....		6
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology.....	3
SOCI 1020	General Sociology, Institutions and Society.....	3
Mathematics		
MATH 1530	Probability and Statistics .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
POLI 1120	Introduction to American Government.....	3
PSYC 2320	Psychology of Helping .....	3
SOWK 1010	Introduction to Social Work.....	3
ELECTIVES <sup>3</sup>	.....	10
<b>Select from:</b>		
CPSC 1100	Using Information Technology	
ECON 2110	Principles of Economics I	
EDUC 1010	Freshman Experience	
MATH 1630	Finite Mathematics	
PHED	Any Physical Education activity	
PSYC 2410	Psychology of Childhood and Adolescence	
PSYC 2420	Development Across the Lifespan	
SOCI 2110	The Family, Society and the Individual	
SOCI 2020	Social Problems and Human Values	
SOCI 1240	Introduction to Cultural Anthropology	
	Foreign Language (Intermediate sequence)	___
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> See senior institution for history requirement.  
<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## DIVISION OF BUSINESS

### Purpose

The Division of Business provides educational programs designed to prepare individuals to assume positions in business/industry and government, skills development training for the currently employed and appropriate academic course work for those who plan to transfer to a four year institution of higher education. All associate degree business programs are accredited by the Association of Collegiate Business Schools and Programs.

### Degree: Associate of Science

#### Emphasis: Business

The Associate of Science – Business degree is designed to offer flexibility in selecting courses that will meet the requirements for the first two years of a Bachelor of Science degree in Business Administration. The outline below is general in nature and is designed for use in conjunction with guidance from a business faculty advisor. Because senior institution requirements change often and without notice, students should regularly see a faculty advisor for the most current information available.

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Literature <sup>1</sup>	.....	3
Approved Humanities General Education electives <sup>1</sup>	.....	6
History		
Approved History General Education electives <sup>2</sup>	.....	6
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I.....	4
Approved Behavioral/Social Science General Education elective <sup>1</sup>	.....	2
Mathematics		
Approved Mathematics General Education elective <sup>1</sup>	.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup>	.....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
ACCT 2110	Introductory Accounting I.....	3
ECON 2210	Business Statistics.....	3
<b>Select one (1) course from:</b>		
MGMT 1100	Business Computer Applications.....	3
or		
MGMT 1110	Electronic Spreadsheet and Database Applications	
or		
CPSC 1100	Using Information Technology	
ELECTIVES <sup>3</sup>		
Mathematics.....		3
Required by Transfer Institution.....		7
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. Some four-year colleges require a specific computer applications course, and students should consult an articulation agreement or a business advisor before selecting a computer applications course. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### MANAGEMENT/ACCOUNTING

The Accounting concentration is designed to prepare students for a successful career as an **Accounting Paraprofessional**.

### Degree: Associate of Applied Science

#### Emphasis: Management

#### Concentration: Accounting

Course No.	Course Title	Credit Hours
<b>General Education Requirements (15 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education elective <sup>1</sup>	.....	3
Behavioral/ Social Sciences		
Approved Behavioral/Social Science General Education elective <sup>1</sup>	.....	3
Mathematics		
MATH 1630	Finite Mathematics.....	3
<b>Area of Emphasis Requirements (45 hours)</b>		
ACCT 2110	Introductory Accounting I.....	3
ACCT 2120	Introductory Accounting II.....	3
ACCT 2550/2551	Tax Practice w/Lab.....	4
ACCT 2560/2561	Accounting Practice I w/Lab.....	4
ACCT 2570/2571	Accounting Practice II w/Lab.....	4
ACCT 2580/2581	Accounting Practice III w/Lab.....	4
ECON 2110	Principles of Economics I.....	4
ECON 2210	Business Statistics.....	3
MATH 1830	Calculus A.....	3
MGMT 1100	Business Computer Applications.....	3
MGMT 1110	Electronic Spreadsheets and Database Applications ...	3
MGMT 2210	Principles of Management and Quality Improvement ....	3
SPCH 2010	Introduction to Speech Communication.....	3
ELECTIVE <sup>2</sup>	.....	1
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. In this program, **MGMT 1100** Business Computer Applications is **required** to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.

### MANAGEMENT/AGRICULTURE BUSINESS

The Agriculture Business concentration emphasizes the development of agriculture business and production agriculture.

**Degree: Associate of Applied Science**

**Emphasis: Management**

**Concentration: Agriculture Business**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
MATH 1630	Finite Mathematics .....	3
<b>Area of Emphasis Requirements (44 hours)</b>		
ACCT 2110	Introductory Accounting I .....	3
AGRM 1010	Perspectives in Agriculture .....	3
AGRM 1110/1111	Fundamentals of Animal Science w/Lab .....	4
AGRM 1210/1211	Introduction to Crop Science w/Lab .....	4
AGRM 1710/1711	Agriculture Economics w/Lab .....	3
AGRM 2030/2031	Soil Science w/Lab .....	4
AGRM 2140/2141	Farm Animal Health and Management Practices w/Lab .....	4
MGMT 1100	Business Computer Applications .....	3
MGMT 2210	Principles of Management and Quality Improvement .....	3
SPCH 2010	Introduction to Speech Communication .....	3
ELECTIVES <sup>2</sup>	Agriculture .....	10
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. In this program **MGMT 1100** Business Computer Applications is required to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.

### MANAGEMENT/BUSINESS ADMINISTRATION

The Business Administration concentration prepares graduates for entry-level positions and/or career advancement in business, industry, and government.

**Degree: Associate of Applied Science**

**Emphasis: Management**

**Concentration: Business Administration**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
MATH 1630	Finite Mathematics .....	3
<b>Area of Emphasis Requirements (44 hours)</b>		
ACCT 2110	Introductory Accounting I .....	3
ACCT 2120	Introductory Accounting II .....	3
BUSN 1310	Business Communications and Correspondence .....	3
BUSN 2010	Business Functions .....	4
BUSN 2510	Legal Environment of Business .....	3
ENGL 1020	Composition II .....	3
MGMT 1100	Business Computer Applications .....	3
MGMT 1110	Electronic Spreadsheets and Database Applications .....	3
<b>or</b>		
MGMT 2110	Advanced Word Processing and Desktop Publishing	
MGMT 2210	Principles of Management and Quality Improvement .....	3
MGMT 2530	Human Relations .....	3
MGMT 2590	Business Presentations .....	3
ELECTIVES <sup>2</sup>	.....	10
<b>Select from:</b>		
BANK 1010	Principles of Banking	
BUSN 1290	Professional Development and Business Ethics	
ECON 2120	Principles of Economics II	
ECON 2210	Business Statistics	
LAW 1110	Introduction to Paralegal Practice, Professional Ethics and Legal Office Management	
MGMT 2500	PowerPoint Presentations and Web Page Design	
MGMT 2570	Human Resource Management	
MGMT 2980	Students in Free Enterprise Practicum	
MKTG 1010	Marketing Management	
RELS 2110	Real Estate Principles I	
RELS 2120	Real Estate Principles II	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. In this program **MGMT 1100** Business Computer Application is required to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.

## MANAGEMENT/PARALEGAL STUDIES

The Paralegal Studies program prepares students to work under the supervision of an attorney in private law offices, government agencies or corporate law departments performing delegated legal work including legal research, document preparation, client interviewing, factual investigation and case management utilizing current technology and in compliance with ethical and professional standards.

**Degree: Associate of Applied Science**

**Emphasis: Management**

**Concentration: Paralegal Studies (Approved by the American Bar Association)**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (15 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
Humanities and/or Fine Arts		
	Approved Humanities General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
	Approved Mathematics General Education elective <sup>1</sup> .....	3
<b>Area of Emphasis Requirements (45 hours)</b>		
ACCT 2110	Introductory Accounting I .....	3
LAW 1110	Introduction to Paralegal Practice: Professional Ethics and Legal Office Management .....	4
LAW 1120	Legal Research and Writing Skills .....	4
LAW 1130	Civil Litigation, Evidence and Investigation Skills for Paralegals .....	4
LAW 1140	Torts, Workers Compensation and Employment Law .....	4
LAW 1150	Contract Law .....	2
LAW 1160	Business Organizations .....	2
LAW 1170	Real Property Law and Title Search Skills for Paralegals .....	2
LAW 1180	Wills, Trusts & Estate Administration for Paralegals .....	2
LAW 1185	Debtor-Creditor Relations and Bankruptcy Law .....	2
MGMT 1100	Business Computer Applications .....	3
MGMT 2210	Principles of Management and Quality Improvement .....	3
SPCH 2010	Introduction to Speech Communication .....	3
ELECTIVES <sup>2</sup>	.....	6
<b>Select from:</b>		
LAW 2010	Criminal Litigation and Procedure	
LAW 2020	Domestic Relations, Administrative Law, and ADR	
LAW 2040	Legal Externship	
LAW 2050	Selected Topics in the Law	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> Humanities/Fine Arts and Mathematics electives must be chosen from approved courses in those categories listed on page 56 of the catalog.

<sup>2</sup> As part of the law elective requirements, students must take either LAW 2010 or LAW 2020. Students should consult a faculty advisor to determine appropriate course selections.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. In this program, **MGMT 1100** Business Computer Applications is **required** to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.

## MANAGEMENT/ADMINISTRATIVE OFFICE ASSISTANT

The Administrative Office Assistant program prepares students for administrative office positions which require abilities in researching and compiling data, composing internal and external communications, preparing mailable documents via computer, desktop publishing, managing records electronically and manually, and utilizing managerial skills.

**Degree: Associate of Applied Science**

**Emphasis: Management**

**Concentration: Administrative Office Assistant**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (15 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
	Approved Humanities General Education electives <sup>1</sup> .....	3
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
	Approved Mathematics General Education elective <sup>1</sup> .....	3
<b>Area of Emphasis Requirements (45 hours)</b>		
ACCT 2110	Introductory Accounting I .....	3
BUSN 1010	Introduction to Business .....	3
BUSN 1290	Professional Development and Business Ethics .....	3
BUSN 1310	Business Communications and Correspondence .....	3
BUSN 2510	Legal Environment of Business .....	3
MGMT 1100	Business Computer Applications .....	3
MGMT 1110	Electronic Spreadsheets and Database Applications .....	3
MGMT 2110	Advanced Word Processing and Desktop Publishing .....	3
MGMT 2210	Principles of Management and Quality Improvement .....	3
MGMT 2500	PowerPoint Presentations and Web Page Design .....	3
ADOA 1010	Document Preparation I .....	3
ADOA 1020	Document Preparation II .....	3
ADOA 1210	Administrative Office Procedures and Simulation .....	3
ADOA 2310	Word Processing Transcription .....	3
ADOA 2990	Administrative Office Assistant Internship .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. In this program, **MGMT 1100** Business Computer Applications is **required** to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.
- College credit may be awarded for successful completion of the Certified Professional Secretary Examination. See faculty advisor for additional information.

## Department of Hospitality Business

### Purpose

The Hospitality Business Department prepares graduates for management positions in one of the most dynamic and fastest growing employment fields. The Rel Maples Institute for Culinary Arts gives students experience in food preparation, cooking, baking, kitchen or restaurant management and non-commercial food service. Students completing the Hotel and Restaurant Management concentration will be prepared for entry level management positions in the lodging, restaurant or foodservice industry.

### MANAGEMENT/CULINARY ARTS

The Rel Maples Institute for Culinary Arts, accredited by the American Culinary Federation, prepares students for a successful career in food preparation, cooking, baking, kitchen or restaurant management, and non-commercial food service. A wide variety of careers are available in the food service industry.

### Degree: Associate of Applied Science

### Emphasis: Management

### Concentration: Culinary Arts (Accredited by the American Culinary Federation)

Course No.	Course Title	Credit Hours
<b>General Education Requirements (15 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
Approved Mathematics General Education elective <sup>1</sup> .....		
<b>Area of Emphasis Requirements (45 hours)</b>		
Business Core:		
ACCT 2110	Introductory Accounting I.....	3
MGMT 1100	Business Computer Applications.....	3
MGMT 2210	Principles of Management and Quality Improvement.....	3
Culinary Core:		
CULN 2100	Sanitation and Safety .....	2
CULN 2200	Nutrition and Menu Planning.....	3
CULN 2210	Dining Room and Banquet Management .....	3
CULN 2310	Culinary Arts I .....	3
CULN 2400	Bakery Skills .....	3
CULN 2410	Advanced Baking and Pastry Skills.....	3
CULN 2910	Culinary Internship.....	1
<b>or</b>		
CULN 2470	Culinary Cafe' and Bake Shop .....	3
HMGT 2640	Hospitality Human Resource Management.....	3
HMGT 2820	Purchasing for Food Service Managers.....	3
SPAN 1005	Hospitality Spanish.....	3
*Select either the Hot Foods or the Baking/Pastry option.....		
<b>Total Credit Hours</b>		<b>61</b>
<b>*Hot Foods Option 9 hours</b>		
CULN 2320	Culinary Arts II .....	3
CULN 2360	Advanced Cuisines .....	3
CULN 2550	Garde-Manager and Buffets .....	3
<b>*Baking/Pastry Option 9 hours</b>		
CULN 2440	Art of Cake Decorating .....	3
CULN 2420	Artisan and Specialty Breads .....	3
CULN 2460	European Cakes and Tortes .....	3

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. In this program **MGMT 1100** Business Computer Applications is **required** to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.
- College credit may be given for the Certified Executive Chef or Certified Pastry Chef designation awarded by the American Culinary Federation. See a faculty advisor for additional information.

### MANAGEMENT/HOTEL AND RESTAURANT MANAGEMENT

The Hotel and Restaurant Management program prepares students to enter various phases of the hospitality industry, one of the most dynamic and fastest growing fields open to college graduates today. Students can choose from a hotel or restaurant management track. In addition, the program includes a solid business core requirement, affording students with a broader base of business skills useful in the industry.

### Degree: Associate of Applied Science

### Emphasis: Management

### Concentration: Hotel and Restaurant Management

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
Approved Math General Education elective <sup>1</sup> .....		
<b>Area of Emphasis Requirements (33 hours)</b>		
ACCT 2110	Introductory Accounting I.....	3
BUSN 1290	Business Ethics and Professional Development .....	3
BUSN 1310	Business Communications and Correspondence .....	3
BUSN 2510	Legal Environment of Business.....	3
HMGT 1250	Service Management.....	3
HMGT 2640	Hospitality Human Resources .....	3
HMGT 2910	Hotel/Restaurant Internship.....	3
MGMT 1100	Business Computer Applications.....	3
MGMT 2210	Principles of Management and Quality Improvement. 3	
MGMT 2590	Business Presentations.....	3
SPAN 1005	Hospitality Spanish.....	3
<b>Hotel Management Option</b>		
CULN 2310	Culinary Arts I.....	3
<b>or</b>		
CULN 2400	Bakery Skills .....	3
HMGT 1010	Foundations of Hospitality .....	3
HMGT 1070	Hotel Operations .....	3
HMGT 2805	Hotel Convention Sales & Service .....	3
<b>Total in Option</b>		<b>12</b>
<b>Restaurant Management Option</b>		
CULN 2100	Sanitation and Safety .....	2
CULN 2310	Culinary Arts I.....	3
CULN 2320	Culinary Arts II.....	3
HMGT 2820	Foodservice Cost Control & Purchasing.....	3
<b>Total in Option</b>		<b>11</b>
<b>Total Credit Hours</b>		<b>60-61</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. In this program **MGMT 1100** Business Computer Applications is **required** to satisfy computer competency and must be taken during the first 30 hours.
- Developmental education courses must be taken every semester until completed.

## CULINARY ARTS

The Culinary Arts technical certificate is designed to provide fundamental skills in food preparation, cooking and baking. Employment is broadly available for people with creativity, imagination and the willingness to work. To complete the technical certificate in Culinary Arts, select either the Hot Foods option or the Pastry and Baking option. Coursework completed for the technical certificate will apply to the Associate of Applied Science degree in Culinary Arts.

### Degree: Technical Certificate

### Emphasis: Culinary Arts (Accredited by the American Culinary Federation)

#### Hot Foods Option

Semester I		Fall	Credit Hours
Course No.	Course Title		
CULN 2100	Sanitation and Safety .....	2	
CULN 2210	Dining Room and Banquet Management .....	3	
CULN 2310	Culinary Arts I .....	3	
CULN 2400	Bakery Skills .....	3	
CULN 2910	Culinary Arts Internship I 270 hours .....	1	
<b>Total Fall Semester</b>			<b>12</b>

Semester II		Spring	Credit Hours
Course No.	Course Title		
CULN 2200	Nutrition and Menu Planning.....	3	
CULN 2320	Culinary Arts II.....	3	
CULN 2920	Culinary Arts Internship II 270 hours.....	1	
HMG 2640	Hospitality Human Resource Management.....	3	
HMG 2820	Foodservice Cost Control & Purchasing.....	3	
<b>Total Spring Semester</b>			<b>13</b>

**Total Credit Hours** 25

The criteria for acceptance in the culinary technical certificate program will include criteria for training of the student to be accepted by the host business and a signed agreement to be on file. This internship training is to span two semesters (540 contact hours) at the host facility with documented work experience.

#### Pastry and Baking Option

Semester I		Fall	Credit Hours
Course No.	Course Title		
CULN 2100	Sanitation and Safety .....	2	
CULN 2310	Culinary Arts I.....	3	
CULN 2400	Bakery Skills .....	3	
CULN 2440	Art of Decorating Cakes .....	3	
CULN 2910	Culinary Arts Internship I 270 hours .....	1	
<b>Total Fall Semester</b>			<b>12</b>

Semester II		Spring	Credit Hours
Course No.	Course Title		
CULN 2200	Nutrition and Menu Planning.....	3	
CULN 2410	Advanced Baking and Pastry Skills.....	3	
CULN 2920	Culinary Arts Internship II 270 hours.....	1	
HMG 2640	Hospitality Human Resource Management.....	3	
HMG 2820	Foodservice Cost Control & Purchasing.....	3	
<b>Total Spring Semester</b>			<b>13</b>

**Total Credit Hours** 25

The criteria for acceptance in the culinary technical certificate program will include criteria for training of the student to be accepted by the host business and a signed agreement to be on file. This internship training is to span two semesters (540 contact hours) at the host facility with documented work experience.

## DIVISION OF HEALTH PROGRAMS

### Purpose

The Health Programs division provides education leading to the associate of applied science degree in nursing, physical therapist assistant, health information technology, and respiratory care. Students may also earn a technical certificate for pharmacy technician, medical coding, medical insurance specialist, and medical transcription. Completion of these programs enables the student to take licensure or certification examinations for these health care careers.

### CRIMINAL BACKGROUND CHECK REQUIREMENT

Criminal background checks may be a requirement for training at some affiliated clinical sites. Based on the results of these checks, an affiliated clinical site may determine to not allow your presence at a facility. Additionally, a criminal background may preclude licensure or employment.

If you are assigned to a clinical affiliate requiring a criminal background check, you will be required to provide the requested information. Acceptance of you as a student in the clinical facility will be at the clinical affiliate's discretion. As a student, you will be responsible for the cost of any required background checks.

If a clinical affiliate denies your presence in the facility, you will not be able to complete the clinical/practicum experience and you will be withdrawn from the program.

The specifications for the background check are at the discretion of the clinical affiliate. Should the affiliate not require a specific vendor for the check, the program director will provide a list of available vendors to purchase the required criminal background check.

The cost of the criminal background check will average \$50 to \$100. The exact amount may vary based on the affiliate specifications and individual student differences.

As a student you will not be allowed access to a clinical facility for any student experience until the clinical facility has authorized your presence.

### Purpose

The Nursing program provides a quality nursing education to the geographically large and rural service area of East Tennessee. The Nursing program prepares individuals to apply to take the National Council Licensing Exam for Registered Nurses (NCLEX-RN) given by the State Board of Nursing to become registered nurses and assume positions in the healthcare industry.

### Degree: Associate of Applied Science

### Emphasis: Nursing

#### GENERAL ADMISSION REQUIREMENTS

Any student desiring to pursue an Associate Degree in Nursing must:

1. Apply, meet admission requirements and be accepted by Walters State Community College.
2. Indicate Nursing as the desired major on the WSCC application form.
3. Follow college policy for advising prior to registration.
4. Successfully complete all required developmental courses prior to the selection process. (Note: Career Mobility students see Career Mobility section for requirement deadlines.)
5. Successfully complete BIOL 2010 and 2011, BIOL 2020 and 2021 prior to the selection process. A grade of "C" or better must be achieved in all science courses. Biological science courses previously taken must have been completed within the last 10 years. (Note: Career Mobility students see Career Mobility section for requirement deadlines.)
6. Complete computer competency requirement.
7. Students cannot audit any nursing course without the approval of the dean of Health Programs/director of Nursing and/or chair of the Nursing Admission and Progression Committee.

Any exceptions to the above admission policies must be approved by the Admission and Progression Committee.

Consideration is given to Tech Prep students.

#### CLINICAL NURSING PROGRAM APPLICATION REQUIREMENTS

A student who has completed the above referenced requirements and has maintained an overall 2.5 GPA, excluding developmental education courses, is eligible to apply for admission to the clinical nursing program. To apply for admission into the clinical nursing program, the student must complete and return to the director of Nurs-

ing a "Request for Admission into Clinical Nursing" form. This form must be filed no later than January 31 of the year the student elects to participate in the selection process for the fall semester nursing class. The student must attach to the form a current transcript of all the college courses taken.

#### SELECTION TO THE CLINICAL NURSING PROGRAM

1. Selection of each class will be made by the Admission and Progression Committee whose membership consists of:
  - a. Dean of Health Programs
  - b. Director of Nursing
  - c. Four nursing faculty (rotating)
  - d. Vice President for Academic Affairs (ex officio)

The Admissions and Progression Committee will rank each student on the basis of predetermined criteria. The criteria include but are not limited to: (a) first grades received in the required biology courses; (b) number of successfully completed courses beyond those required for admission to the clinical nursing program, and (c) overall grade point average in required college courses excluding developmental course grades. Additional ranking points can be obtained for either 1) ACT/ACT Residual score of greater than 19 or 2) Nurse Entrance Scores (NET) in Essential Math Skills, Reading Comprehension and Critical Thinking greater than 50%. All test scores must be less than 3 years old.\* The committee may also require a personal interview and conduct reference checks. The top ranked applicants will be selected for each class. Decisions made by the committee are final.
2. Transfer Students - Individuals who have attended other colleges and desire to transfer into the WSCC clinical nursing program will be considered on an individual basis. Transfer requests should be submitted to the director of Nursing. Transfer students must meet the same standards and criteria as others desiring to pursue an associate degree in nursing at WSCC. A student may be required to audit a designated nursing course.
3. Transfer and Returning Students - Credit for nursing courses must have been earned within the past five years to be considered. Credit for biology courses must have been earned within the past 10 years to be considered.
4. WSCC and transfer students selected for admission will be notified in writing.
5. Students notified of admission into the clinical nursing program must return the following by the date specified on the form: (a) a signed and dated acknowledgment of the Drug/Alcohol Abuse Policy and consent forms, and (b) a comprehensive health exam with complete hepatitis series.



Students who do not respond or who do not plan to attend will have their positions filled by other applicants selected by the director of Nursing from the list recommended by the Admissions and Progression Committee.

6. Students not selected for admission may reapply for admission.
7. Contact the director of Nursing, TECH 106D for additional information.

*\*ACT RESIDUAL and NET testing can be scheduled through the counseling and testing office at WSCC.*

### PROGRESSION/RETENTION POLICIES

To remain in good standing once admitted to the clinical nursing program, the student must:

1. Adhere to all WSCC, nursing department, and clinical agencies policies.
2. Earn a "C" or better in each required nursing and biology course and maintain a minimum GPA of 2.0.
3. Satisfactorily complete the theory, clinical and/or skills requirements of each nursing course. A grade of "D" or "F" in theory will result in a grade of "F" for clinical. An unsatisfactory in clinical will result in a grade of "F" for the entire course.
4. Exhibit safe clinical behavior.
5. Demonstrate professional, ethical and legal conduct.
6. Maintain professional liability insurance.
7. Maintain current Basic Life Support (BLS) or CPR/AED for the Professional Rescuer Course Completion card.
8. Complete BIOL 2510/2511 (Microbiology and lab) with a minimum grade of "C" before progressing into the third semester of clinical nursing.
9. Submit to a drug test if requested by the dean of Health Programs or director of Nursing at any time during the program. A positive drug test is grounds for immediate dismissal.
10. Individuals convicted of a crime other than a minor traffic violation could be ineligible for registered nurse licensure in the state of Tennessee even though they have successfully completed the Nursing program. (See Criminal Background Check Requirement.)
11. Have a yearly comprehensive health exam and submit the required form to the director of Nursing by the designated date.

### READMISSION POLICIES

A student who has received a "D" or "F" in a clinical nursing course or who has withdrawn from the clinical nursing program may apply for readmission.

**The readmission policies are:**

1. A student must schedule an appointment with their faculty advisor or with the director of Nursing and complete exit interview process. Failure to complete the exit interview process may render the student ineligible to pursue readmission.
2. A student must request in writing to the director of Nursing to be considered by the Admission and Progression Committee according to the following schedule: (a) apply by January 31 for readmission to a fall semester nursing course; (b) apply by September 30 for readmission to a spring semester nursing course. Students will be notified by letter of the date and time they are to meet with the Admission and Progression Committee. It is the responsibility of the student to ensure the nursing program has the correct mailing address.
3. A student is eligible to appear before the Admissions and Progression Committee two times. If readmission is not granted after the second application, the student becomes ineligible for readmission.
4. The committee may allow a student to be readmitted without an interview under the following circumstances: obvious physical illness/disability necessitating the student's withdrawal or student physical or psychological problems with physician documentation.

5. Only one readmission to the clinical nursing program is permitted.
6. If a student elects to apply for readmission, auditing a designated nursing course may be required to increase the probability of success.
7. A student who fails NURS 1180/1181 (Transition to Nursing) may request admission into the first semester of Nursing. No readmission to NURS 1180/1181 will be allowed.
8. A student with previous unsatisfactory clinical performance must be evaluated and recommended for readmission by a consensus of the nursing faculty.
9. A student who has received two grades of "D" or below in clinical nursing courses will not be eligible for readmission.
10. A student must have a cumulative 2.0 GPA or higher to be considered for readmission.
11. A student repeating a clinical nursing course must repeat both the theory and clinical components of the course.
12. A student may be readmitted only if space is available.
13. Any exceptions to the above policies must be approved by the Admission and Progression Committee.

### HEALTH AND PHYSICAL CONSIDERATIONS FOR NURSING STUDENTS

Because the college seeks to provide in as much as possible a reasonably safe environment for its health career students and their patients, a student may be required, during the course of the program, to demonstrate their physical and/or emotional fitness to meet the essential requirements of the program. Such essential requirements may include freedom from communicable diseases, the ability to perform certain physical tasks, and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, so as not to discriminate against any individual on the basis of disability.

All Tennessee Board of Regents Nursing programs have adopted the following core performance standards. Admission to and progression in nursing programs is not based on these standards but should be used to assist the student in determining whether accommodations or modifications are necessary. The standards are:

1. Critical thinking ability sufficient for clinical judgement.
2. Interpersonal abilities sufficient to effectively interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
3. Communication abilities sufficient for interaction with others in verbal and written form.
4. Physical abilities sufficient to move from room to room and maneuver in small spaces.
5. Gross and fine motor abilities sufficient to provide safe and effective nursing care.
6. Auditory abilities sufficient to monitor and assess health needs.
7. Visual ability sufficient for observation and assessment necessary in nursing care.
8. Tactile ability sufficient for physical assessment.

If a student believes that one or more of the standards cannot be met without accommodation or modification, the nursing program will determine whether or not accommodations or modification can be reasonably made. A student should contact the Director of Nursing for assistance.

### LEGAL LIMITATION FOR LICENSURE

Graduates of the program will be eligible to apply to take the licensure exam to become a registered nurse. However, individuals who have been convicted of a crime other than a minor traffic violation could be ineligible for registered nurse licensure in the State of Tennessee, even though they have successfully completed the nursing program.

The program is accredited by the National League for Nursing Accrediting Commission (NLNAC), 61 Broadway, Suite 33, New York, NY 10006. Telephone: 800-669-1656, ext. 493; Fax: 212-812-0390; Internet: [www.nlnac.org](http://www.nlnac.org).

Course No.	Course Title	Credit Hours
<b>General Education Requirements (17 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
PSYC 1310	Introduction to Psychology .....	3
Natural Science/Mathematics		
<b>BIOL 2010<sup>2</sup></b>	<b>Human Anatomy and Physiology I.....</b>	<b>3</b>
<b>BIOL 2011<sup>2</sup></b>	<b>Human Anatomy and Physiology I Lab.....</b>	<b>1</b>
<b>BIOL 2020<sup>2</sup></b>	<b>Human Anatomy and Physiology II.....</b>	<b>3</b>
<b>BIOL 2021<sup>2</sup></b>	<b>Human Anatomy and Physiology II Lab.....</b>	<b>1</b>

**Area of Emphasis Requirements (48 hours)**

SPCH 2010	Introduction to Speech Communication.....	3
MATH 1530	Probability and Statistics.....	3
BIOL 2510	Introduction to Microbiology .....	3
BIOL 2511	Introduction to Microbiology Lab.....	1
NURS 1100	Nursing Concepts and Processes.....	1
NURS 1150	Nursing Skills.....	1
NURS 1160/1161	Introduction to Nursing Process.....	4
NURS 1130	Pharmacology .....	3
NURS 2600/2601	Nursing Process I.....	10
NURS 2610/2611	Nursing Process II.....	10
NURS 2620/2621	Nursing Process III.....	5
NURS 2630/2631	Nursing Process IV.....	4
<b>Total Credit Hours</b>		<b>65</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> These courses are **pre-clinical nursing requirements**.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework and **before** applying for progression to clinical nursing. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.
- See criminal background check requirement statement on page 75.

*Programs with limited enrollment give priority to permanent Tennessee residents eligible for admission, then eligible U.S. citizens who are out-of-state residents, and then to eligible international students.*

*The applicant must meet WSCC General Education and developmental education requirements. Upon admission to the clinical nursing courses, the program requires four academic semesters.*

**CAREER MOBILITY PROGRAM**

The Career Mobility Program is an accelerated curriculum track for the licensed practical nurse (LPN) that recognizes the knowledge and skills of the LPN. Individuals seeking admission to the program must meet college admission requirements, be a graduate of a practical nursing program and meet the same academic requirements in the pre-clinical, science and general education courses as students admitted under the regular nursing program. Applicants must be a recent graduate of an LPN program (one year) or have a total of one or more year's work experience as an LPN within the last three years. All required developmental courses, BIOL 2010/2011, BIOL 2020/2021 and computer competency must be successfully completed by January 31 of the year the student elects to participate in the selection process. Upon completion of NURS 1180/1181 with a grade of "C" or higher, credit will be awarded for NURS 1170 (Nursing Process-CM) and the student will then be admitted into the second year of the clinical nursing program.

Course No.	Course Title	Credit Hours
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**General Education Requirements (17 hours)**

Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
PSYC 1310	Introduction to Psychology .....	3
Natural Science/Mathematics		
<b>BIOL 2010<sup>2</sup></b>	<b>Human Anatomy and Physiology I.....</b>	<b>3</b>
<b>BIOL 2011<sup>2</sup></b>	<b>Human Anatomy and Physiology I Lab.....</b>	<b>1</b>
<b>BIOL 2020<sup>2</sup></b>	<b>Human Anatomy and Physiology II.....</b>	<b>3</b>
<b>BIOL 2021<sup>2</sup></b>	<b>Human Anatomy and Physiology II Lab.....</b>	<b>1</b>

**Area of Emphasis Requirements (48 hours)**

SPCH 2010	Introduction to Speech Communication.....	3
MATH 1530	Probability and Statistics.....	3
BIOL 2510	Introduction to Microbiology .....	3
BIOL 2511	Introduction to Microbiology Lab.....	1
NURS 1170	Nursing Process - CM.....	Transition Credit 13
NURS 1180/1181	Transition to Nursing.....	6
NURS 2610/2611	Nursing Process II.....	10
NURS 2620/2621	Nursing Process III.....	5
NURS 2630/2631	Nursing Process IV.....	4
<b>Total Credit Hours</b>		<b>65</b>

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework and **before** applying for progression to clinical nursing. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

## Department of Health Information Technology

### Purpose

The Health Information Technology Department prepares individuals as entry-level registered health information technicians (RHIT), entry-level coders, entry-level insurance billers, and entry-level medical transcriptionists to meet the health care community needs for these job positions in Walters State's service area.

### Degree: Associate of Applied Science

### Emphasis: Health Information Technology

The Health Information Technology program prepares individuals with an associate of applied science degree who meet entry-level competencies for registered health information technicians (RHIT).

The Health Information Technology program is a two year associate of applied science degree designed to prepare individuals to manage and code the medical information obtained in the medical records, organize the coded information for reimbursement purposes, abstract other data to meet administrative and governmental requirements, and manage medical and legal inquiries for medical information. Graduates of this program will be prepared for a variety of positions in the health information services market. The program is designed to offer a wide variety of learning experiences including classroom lecture, use of computers and software designed for health information technology, and directed clinical practice in various medical settings.

*The Health Information Technology program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).*

### ADMISSION, RETENTION AND GRADUATION REQUIREMENTS

1. Apply, meet admission requirements and be accepted by Walters State Community College.
2. Indicate Health Information Technology as the desired major on the WSCC application form.
3. See an advisor from the Health Programs Division prior to registering for classes and obtain clearance to register.
4. Complete all required developmental education courses prior to making application for the Health Information Technology program.
5. In addition, admission to an allied health program requires the following: (a) a completed physical health form; (b) evidence of malpractice liability insurance; and (c) a signed and dated acknowledgement of the Drug/Alcohol Abuse Policy and consent forms. The physical health form, malpractice insurance, and Tennessee Professional Assistance Fees are at the student's expense.
6. Each student enrolled in the Health Information Technology program will be monitored, advised and counseled. Students' grades will be evaluated at the end of each semester by the director of the program. A student must maintain the following standards or be dismissed from the program: (a) a grade of "C" or better in each course; (b) complete designated prerequisite/corequisite courses.
7. Program graduation requirements include the successful completion of the courses listed below with a minimum grade of "C" in each course.
8. Successful completion of BIOL 2010/2011 and BIOL 2020/2021 with a grade of "C" or better is a prerequisite to HITC 2050/HITC 2060.

Course No.	Course Title	Credit Hours
<b>General Education Requirements (17 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....		3
Behavioral/ Social Sciences		
Approved General Education Behavioral/Social Science elective <sup>1</sup> .....		3
Natural Science/Mathematics		
BIOL 2010	Human Anatomy and Physiology I.....	3
BIOL 2011	Human Anatomy and Physiology I Lab .....	1
BIOL 2020	Human Anatomy and Physiology II .....	3
BIOL 2021	Human Anatomy and Physiology II Lab.....	1
<b>Area of Emphasis Requirements (47 hours)</b>		
HITC 1021	Coding Lab I .....	2
HITC 1051	Professional Seminar .....	2
HITC 2010	Fundamentals of Health Information Management.....	3
HITC 2020/2021	Applications in Healthcare Information Systems .....	3
HITC 2030/2031	Quality Improvement and Assessment in Healthcare .....	3
HITC 2040	Health Statistics and Registries .....	2
HITC 2050	Health Information Technology Practice I.....	3
HITC 2060	Health Information Technology Practice II.....	3
HITC 2070	Supervisory and Legal Aspects.....	3
MDCD 1010	Basic ICD-9-CM Coding.....	3
MDCD 1020	Basic CPT/HCPCS Coding.....	3
MDCD 1030	Intermediate ICD-9-CM Coding .....	3
MDCD 1040	Advanced Coding for Reimbursement.....	3
MDTR 1010	Medical Terminology .....	5
MDTR 1030	Fundamentals of Medical Science.....	3
CPSC 1100	Using Information Technology .....	3
<b>Total Credit Hours</b>		<b>64</b>

<sup>1</sup>General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer science requirement.
- Developmental education courses must be taken every semester until completed.
- See criminal background check requirement statement on page 75.

**Degree: Technical Certificate**

**Emphasis: Medical Coding**

The Medical Coding Technical Certificate program prepares individuals to understand coding principles and guidelines, medical terminology, and regulatory changes for coding at entry-level competencies for coders in various healthcare settings.

Numerous career opportunities exist in hospitals, physician's offices, clinics, nursing homes, home health agencies and other healthcare settings. Graduates are eligible to apply to take the Certified Coding Associate (CCA) exam offered by the American Health Information Management Association.

**ADMISSION, RETENTION AND GRADUATION REQUIREMENTS**

1. All students admitted into the Medical Coding Technical Certificate program will meet the same criteria as established for any technical certificate program offered by Walters State Community College. Primary among these criteria is graduation from high school or a passing score on the GED assessment.
2. Indicate Medical Coding as the desired major on the WSCC application form.
3. Each student enrolled in the Medical Coding Certificate program will be monitored, advised and counseled. Student's grades will be evaluated at the end of each semester by the director of the coding program. A student must maintain the following standards or be dismissed from the program: (a) a grade of "C" or better in each course; (b) complete designated prerequisite/corequisite courses.
4. Program graduation requirements include the successful completion of the courses listed below with a minimum grade of "C" in each course.
5. In addition, admission into an allied health program requires the following: (a) a completed physical health form; (b) evidence of malpractice liability insurance; and (c) a signed and dated Acknowledgement of the Drug/Alcohol Abuse Policy and Consent forms. The physical health form, malpractice insurance, and Tennessee Professional Assistance Fees are at the student's expense.

Course No.	Course Title	Credit Hours
HITC 2010	Fundamentals of Health Information Management.....	3
MDCD 1010	Basic ICD-9-CM Coding .....	3
MDCD 1020	Basic CPT/HCPSCS Coding .....	3
MDCD 1030	Intermediate ICD-9-CM Coding.....	3
MDCD 1040	Advanced Coding for Reimbursement.....	3
MDTR 1010	Medical Terminology .....	5
MDTR 1030	Fundamentals of Medical Science .....	3
<b>Total Credit Hours</b>		<b>23</b>

**NOTES**

- See criminal background check requirement statement on page 75.

**Degree: Technical Certificate**

**Emphasis: Medical Insurance Specialist**

The Medical Insurance Specialist Technical Certificate program prepares individuals to follow billing procedures, basic coding, insurance guidelines, medical terminology, and regulatory changes for insurance billing at entry-level competencies for insurance billers in various healthcare settings. Employment of individuals with these skills is essential for healthcare providers, whether the provider is a physician, clinic, hospital or nursing home. A concentrated amount of time is dedicated to those skills to provide the students with optimal knowledge and skill to function in the marketplace. The program is designed to offer a wide variety of learning experiences including classroom lecture, computerized software and clinical practicum.

**ADMISSION, RETENTION AND GRADUATION REQUIREMENTS**

1. All students admitted into the Medical Insurance Specialist Technical Certificate program will meet the same criteria as established for any technical certificate program offered by Walters State Community College. Primary among these criteria is graduation from high school or a passing score on the GED assessment.
2. Indicate Medical Insurance Specialist as the desired major on the WSCC application form.
3. Each student enrolled in the Medical Insurance Specialist Certificate program will be monitored, advised and counseled. Student's grades will be evaluated at the end of each semester by the director of the medical insurance specialist program. A student must maintain the following standards or be dismissed from the program: (a) a grade of "C" or better in each course; (b) complete designated prerequisite/co-requisite courses.
4. Program graduation requirements include the successful completion of the courses listed below with a minimum grade of "C" in each course.
5. In addition, admission into an allied health program requires the following: (a) a completed physical health form; (b) evidence of malpractice liability insurance; and (c) a signed and dated Acknowledgement of the Drug/Alcohol Abuse Policy and Consent forms. The physical health form, malpractice insurance, and Tennessee Professional Assistance Fees are at the student's expense.

Course No.	Course Title	Credit Hours
CPSC 1100	Using Information Technology.....	3
MDCD 1010	Basic ICD-9-CM Coding .....	3
MDCD 1020	Basic CPT/HCPSCS Coding .....	3
MDIS 1010	Physician Office Billing.....	3
MDIS 1020	Insurance Procedures Practicum.....	3
MDTR 1010	Medical Terminology .....	5
MDTR 1030	Fundamentals of Medical Science .....	3
<b>Total Credit Hours</b>		<b>23</b>

**NOTES**

- See criminal background check requirement statement on page 75.

## Degree: Technical Certificate

### Emphasis: Medical Transcription

The Medical Transcription Technical Certificate program prepares individuals who meet entry-level competencies for medical transcriptionists in various healthcare settings to understand medical concepts, medical terminology, and accurately transcribe medical reports.

Numerous career opportunities exist in hospitals, physician's offices, clinics, home health agencies and transcription services. Graduates are eligible to apply to take the American Association for Medical Transcription certification examination.

#### ADMISSION, RETENTION AND GRADUATION REQUIREMENTS

1. All students admitted into the Medical Transcription Technical Certificate program will meet the same criteria as established for any technical certificate program offered by Walters State Community college. Primary among these criteria is graduation from high school or a passing score on the GED assessment.
2. Indicate Medical Transcription as the desired major on the WSCC application form.
3. Each student enrolled in the Medical Transcription Certificate program will be monitored, advised and counseled. Student's grades will be evaluated at the end of each semester by the director of the Medical Transcription program. A student must maintain the following standards or be dismissed from the program: (a) a grade of "C" or better in each course; (b) complete designated prerequisite/corequisite courses.
4. Program graduation requirements include the successful completion of the courses listed below with a minimum grade of "C" in each course.
5. In addition, admission into an allied health program requires: (a) completed physical health form; (b) evidence of malpractice liability insurance; and (c) a signed and dated acknowledgment of the Drug/Alcohol Abuse Policy and consent forms. The physical health form, malpractice insurance and Tennessee Professional Assistance fees are at the student's expense.

Course No.	Course Title	Credit Hours
ADOA 1040	Keyboarding .....	3
MDTR 1010	Medical Terminology .....	5
MDTR 1020	Basic Medical Transcription Lab .....	4
MDTR 1030	Fundamentals of Medical Science .....	3
MDTR 1040	Advanced Medical Transcription Lab .....	5
MDTR 1050	Clinical Practicum.....	3
<b>Total Credit Hours</b>		<b>23</b>

#### NOTES

- See criminal background check requirement statement on page 75.

## Degree: Technical Certificate

### Emphasis: Pharmacy Technician

The Pharmacy Technician educational program prepares individuals to take the national exam to become Certified Pharmacy Technicians. As an integral part of this community college, the department of Pharmacy Technology accepts each student as an individual and endeavors to provide the guidance, which will enable development and maturation in realizing his or her potential in the field of Pharmacy Technology.

#### ADMISSION, RETENTION AND GRADUATION REQUIREMENTS:

1. Students applying to the program must meet the college's general admission requirements. Pharmacy Technician students are not required to take or complete the college's Compass Exam or any basic/developmental courses prior to enrolling in the program.
2. Student should indicate Pharmacy Technician (PHAR) as their major.
3. Prior to enrolling for PHAR courses a student must complete the Criminal Conviction Statement and the Alcohol and Chemical Abuse Statement forms. These forms may be obtained from the program faculty.
4. The student will complete a work history/experience form and identify one professional reference. These forms may be obtained from the program faculty.
5. After completion of the pharmacy technician admission procedure, the student's application for admission will be reviewed by the Pharmacy Technician Admission Committee. The committee will consist of the pharmacy technician faculty and will be chaired by the program director. The committee will select qualified candidates based on the admission criteria including: a) admission to Walters State Community College; b) Pharmacy Technician major; c) no history of criminal conviction; d) signed alcohol and chemical abuse form; e) positive reference checks.

Exceptions can be made at the discretion of the program faculty for a student who chooses to take a non-clinical based pharmacy technician course as an elective or enrichment.

6. While in the program, students must comply with the college's policies and successfully meet program curriculum requirements.
7. Prior to the clinical training phase of the program, the student must obtain the following: a physical examination, laboratory tests, immunizations, and liability insurance, all at the student's expense. Liability insurance is obtained in the amount specified by the program's director. Criminal background check and registration with the Board of Pharmacy at the student's expense may be required.
8. Program graduation requirements include the successful completion of the courses listed below with a minimum grade of "C" in each course.

Course No.	Course Title	Credit Hours
PHAR 1000	Pharmacy Oriented Anatomy and Medical Terminology .....	2
PHAR 1010/1011	Intro to Pharmacy Technician Practice and Lab.....	2
PHAR 1020/1021	Pharmacy Calculations and Lab .....	3
PHAR 1030	Pharmacology and Therapeutics .....	3
PHAR 1050	Principles of Pharmacy Practice.....	3
PHAR 1060/1061	Sterile Product Technology and Lab .....	2
PHAR 1070	Pharmacy Jurisprudence and Ethics .....	2
PHAR 2055	Institutional Pharmacy Practice .....	3
PHAR 2080	Retail Pharmacy Practice.....	3

**Total Credit Hours**

**23**

#### NOTES

- See criminal background check requirement statement on page 75.

## Degree: Associate of Applied Science

### Emphasis: Physical Therapist Assistant

The Physical Therapist Assistant (PTA) program prepares students to take the National Licensing Examination for Physical Therapist Assistants. A physical therapist assistant can perform a range of physical therapy procedures specific to a patient's diagnosis under the supervision of a physical therapist. As a physical therapist assistant, you will have the opportunity to work with a wide variety of patients, from pediatrics to the older adult and every age and functional level in between. The primary goal of physical therapy is to rehabilitate patients suffering from various diagnoses that affect their mobility and overall functional status. The physical therapist assistant provides specifically prescribed treatments and exercises that improve one's mobility, relieve pain, and prevent or limit physical disability. Physical therapist assistants may find employment in many diverse settings, such as: hospitals, outpatient clinics, private physical therapy practices, home health agencies, rehabilitation facilities, schools, and long term care facilities. At this time there are numerous job opportunities for the PTA nationwide. Annual starting salaries for the PTA in the Upper East Tennessee area averages \$35,000 to \$44,000.

#### LEGAL LIMITATION FOR LICENSURE

Graduates of the program will be eligible to apply to take the National Licensing Examination to become physical therapist assistants. Obtaining a passing score on the national examination is required to practice as a physical therapist assistant in the state of Tennessee. Physical therapist assistants may not practice unless under the supervision of a physical therapist. This program is accredited by the Commission on Accreditation in Physical Therapy Education.

#### GENERAL ADMISSION REQUIREMENTS

Any student desiring to pursue an associate degree in Physical Therapist Assistant Technology must:

1. Apply, meet admission requirements, and be accepted by Walters State Community College.
2. Indicate Pre-Physical Therapist Assistant as the desired major on the WSCC application form.
3. Follow college policy for advising prior to registration.
4. Complete all required developmental courses.
5. Successfully complete BIOL 2010 and 2011, BIOL 2020 and 2021, and MATH 1530 or 1630 no later than the end of spring semester of the year the student elects to participate in the selection process for fall semester PTA class. A grade of "C" or better must be achieved in each required science course, with an overall GPA of at least 2.0. Biological science courses previously taken must have been completed within the last 10 years.
6. Students cannot audit any PTA courses without the approval of the department director and the dean of Health Programs.

#### PHYSICAL THERAPIST ASSISTANT PROGRAM APPLICATION REQUIREMENTS:

A student who has completed the above general education requirements and has maintained an overall 2.0 GPA, excluding developmental courses, is eligible to apply to the PTA Program. To apply to the PTA program, the student must complete and return to the director of the PTA program a "Physical Therapist Assistant Application". This form must be received by the health programs department no later than April 15 of the year the student elects to participate in the selection process for fall semester PTA class.

#### SELECTION TO THE PHYSICAL THERAPIST ASSISTANT PROGRAM

1. Selection of each class will be made by the Admissions Committee whose membership consists of:
  - a. Physical Therapist Assistant Program Director
  - b. Academic Coordinator of Clinical Education for the PTA program
  - c. Adjunct/laboratory faculty for the PTA program
  - d. Dean of Health Programs (ex officio)
  - e. Vice President for Academic Affairs (ex officio)
2. The Admission Committee will rank each student on the basis of predetermined criteria. The criteria include but are not limited to:

(a) number of successfully completed general education requirements for the PTA program; (b) grade point average in the general education requirements taken; (c) prior number of successfully completed college hours; (d) full-time work experience as a physical therapy aide or technician for at least 3 months or 20 hours of observation in a physical therapy practice under the supervision of a physical therapist or physical therapist assistant. Extra consideration is given for students who observe an additional 10 hours in a different type of physical therapy setting; (e) reference from the supervising physical therapist or physical therapist assistant under whom a student worked or observed; (f) a personal interview of the top ranked applicants (based on the criteria in a – e), by practicing physical therapists and physical therapist assistants.

3. Transfer students-Individuals who have attended college other than Walters State and desire to transfer into the WSCC PTA program will be considered on an individual basis. Transfer requests should be submitted to the director of the PTA program. A student may be required to audit designated PTA courses. Students who have failed in another physical therapist assistant program (or other health care career program) must disclose this in the PTA program admissions packet.
4. Basic science courses over 10 years old, or specific PTA courses over 5 years old may not be eligible for selection criteria. Students who are transferring kinesiology from another institution and who are admitted into the program will be required to complete additional assignments/courses during the fall semester in the program.
5. Students selected to the program for the fall semester will be notified in writing by July 15.
6. Students notified of admission into the Physical Therapist Assistant Program must return the Information Packet for New Admits by the date specified on the form: (a) sign, date and return an acknowledgment of the Drug/Alcohol Abuse Policy and Consent form; and (b) a comprehensive health examination at student expense by a physician with required lab tests and immunizations or records of immunizations. Students who do not respond or who do not plan to attend will have their positions filled by other applicants based on the criteria rankings.
7. Students not selected for admission may reapply for a subsequent class.
8. Contact the director of the Physical Therapist Assistant Program for additional information, 423-585-6981 or in TECH 104 on the Morristown campus.

The Physical Therapist Assistant Program accepts approximately 20 new students each fall semester. The number of students accepted into the program is limited. Programs with limited enrollment such as the PTA program cannot accept out-of-state residents if there are Tennessee residents eligible for admission. Contact the Director of the Physical Therapist Assistant Program for further information.

#### PROGRESSION/RETENTION POLICIES

To remain in good standing once admitted to the PTA program, the student must:

1. Adhere to all WSCC, PTA program, and clinical agencies policies.
2. Earn a "C" or better in each PTA course and maintain a 2.0 GPA overall.
3. Satisfactorily complete the theory, clinical and skills requirements of each PTA course, including exhibiting safe and competent clinical behavior as defined by written criteria given to each PTA student. A grade of "F" in any course will deny the student the ability to continue in the program.
4. Demonstrate professional, ethical, and legal conduct.
5. Maintain professional liability insurance.
6. Maintain current Basic Life Support (BLS) or CPR/AED for Healthcare Providers.
7. Successfully complete any general education requirements for graduation prior to the beginning of the final semester of the PTA programs, including computer competency.
8. Submit to a drug test if requested by the Dean of Health Programs or director of the Physical Therapist Assistant Program at any time during the program. A positive drug test is grounds for immediate dismissal.

9. Individuals who have been convicted of crimes other than minor traffic violations could be ineligible for physical therapist assistant licensure in the State of Tennessee, even though they have successfully completed the Physical Therapist Assistant Program. (See Criminal Background Check Requirement in the Health Programs portion of the catalog.)
10. Have a yearly comprehensive health examination and submit the required form to the director of the PTA program by the designated date.

#### READMISSION POLICIES

A student who has earned a "D" or "F" in a physical therapist assistant course or who has withdrawn from the program may apply for readmission under the following considerations:

1. To be considered for readmission to the PTA program after academic/ clinical failure by the end of the first semester, a student will be required to proceed through the regular selection and acceptance procedures along with all other candidates for the following year.
2. A student who is unsuccessful academically or clinically after the first semester must complete the following: (a) a written request to the PTA program director for consideration of readmission; (b) attend a readmissions committee hearing to be scheduled by the committee. The program director will respond in writing and will provide the student with date, location, and time of readmission hearing.
3. Procedures for readmission hearings are as follows: (a) The student must confirm the intention to attend by telephone or regular mail a minimum of 3 days prior to the hearing date. If confirmation is not received, the hearing will be canceled; (b) the student should prepare an outline to be presented to the committee on reasons for failure and steps taken by the student to ensure success if readmitted. The student will be informed of the committee's decision in a timely manner.
4. Readmission committee is composed of the PTA academic faculty and faculty from other Health Programs (minimum of 3 additional faculty).
5. First-time students will be given priority in clinical rotation placement. Second-time (readmitted) students will be placed in clinicals when space is available. This may mean a delayed graduation date. Every effort will be made to place all students in clinicals during scheduled times.
6. If a student is readmitted to the PTA program, auditing of designated PTA courses may be required.
7. A student must have a cumulative GPA of at least 2.0 to be considered for readmission.
8. Any student is allowed only two attempts to complete the PTA program. A student who is unsuccessful during a second attempt of the program will not be allowed to re-apply or to have a readmission hearing.

#### HEALTH AND PHYSICAL CONSIDERATIONS FOR PHYSICAL THERAPIST ASSISTANT STUDENTS

Because the College seeks to provide in as much as possible a reasonably safe environment for its health career students and their patients, a student may be required during the course of the program, to demonstrate their physical and/or emotional fitness to meet the essential requirements of the program. Such essential requirements may include the ability to perform certain physical tasks, and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, so as not to discriminate against any individual on the basis of disability.

The practicing PTA must be capable of long periods of concentration in selecting correct techniques, equipment and safety measures to assure maximum care and safety of the patient. Therefore, the applicant must be able to exercise independent judgment under both routine and emergency conditions. A person abusing alcohol or conscious altering drugs could not meet these criteria. The following core performance standards have been adopted by the PTA program. Admission to and progression in the PTA program is not based on these standards but should be used to assist the student in determining whether accommodations or modifications are necessary. If a student believes that one or more of the standards cannot

be met without accommodation or modification, the physical therapist assistant program will determine whether reasonable accommodations or modifications can be made. The student should contact the Director of the Physical Therapist Assistant Program, and/or the Office of Services for Individuals with Disabilities and Placement Services.

The standards are:

1. Critical thinking ability sufficient for clinical judgment;
2. Interpersonal abilities sufficient to interact effectively with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds;
3. Communication abilities sufficient for effective interaction with others in verbal and written form;
4. Physical abilities sufficient to effectively move from room to room and maneuver in small spaces;
5. Gross and fine motor abilities sufficient to provide safe and effective physical therapy care;
6. Auditory abilities sufficient to monitor and assess health needs;
7. Visual ability sufficient for observation and assessment necessary in physical therapy care;
8. Tactile ability sufficient for accurate physical assessment.

Students are strongly encouraged to carry a personal health insurance policy, which is required by a majority of clinical affiliation sites. Completion of this program does not guarantee employment. The applicant should realize relocation may be necessary in order to obtain employment.

Course No.	Course Title	Credit Hours
<b>General Education Requirements (20 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
	Approved General Education Humanities/Fine Arts elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
PSYC 2420	Developmental Psychology .....	3
Mathematics		
MATH 1530 <sup>2</sup>	Probability and Statistics .....	3
or		
MATH 1630	Finite Mathematics .....	3
Natural Science		
BIOL 2010 <sup>2</sup>	Human Anatomy & Physiology I .....	3
BIOL 2011 <sup>2</sup>	Human Anatomy & Physiology I Lab .....	1
BIOL 2020 <sup>2</sup>	Human Anatomy & Physiology II .....	3
BIOL 2021 <sup>2</sup>	Human Anatomy & Physiology II Lab .....	1
<b>Area of Emphasis Requirements (46 hours)</b>		
PTA 1010	Intro to PTA.....	2
PTA 1040/1041	Kinesiology/Lab.....	4
PTA 1100/1101	Modalities/Lab.....	4
PTA 1200/1201	Orthopedic Conditions/Lab.....	6
PTA 1300/1301	Neurological Conditions I/Lab.....	3
PTA 1331	Clinical I .....	2
PTA 2120/2121	Medical Surgical Conditions/Lab .....	5
PTA 2300/2301	Neurological Conditions II/Lab .....	4
PTA 2331	Clinical II .....	3
PTA 2500/2501	Correlative PTA Procedures .....	3
PTA 2431	Clinical III .....	4
PTA 2531	Clinical IV .....	6
<b>Total Credit Hours</b>		<b>66</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> These courses are **prerequisites** for the Physical Therapist Assistant program.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.
- See criminal background check requirement statement on page 75.

*Programs with limited enrollment give priority to permanent Tennessee residents eligible for admission, then eligible U.S. citizens who are out-of-state residents, and then to eligible international students. The applicant must meet WSCC general education and developmental education requirements.*

## Degree: Associate of Applied Science

### Emphasis: Respiratory Care

The Respiratory Care program provides a quality Advanced-Practitioner respiratory care education to the geographically large and rural service area of East Tennessee. The program prepares individuals to apply to become registered respiratory therapists. Upon completion of the program, graduates are eligible to take the credentialing examinations offered by the National Board for Respiratory Care (NBRC) to become registered respiratory therapists.

#### GENERAL ADMISSION REQUIREMENTS

**Any student desiring to pursue an Associate of Applied Science in Respiratory Care must:**

1. Apply, meet admission requirements and be accepted by Walters State Community College.
2. Indicate Respiratory Care as the desired major on the WSCC application form.
3. Follow college policy for advising prior to registration.
4. Successfully complete all required developmental courses no later than the end of the spring semester the year the student elects to participate in the selection process.
5. Successfully complete BIOL 2010/2011, BIOL 2020/2021 no later than the end of the spring semester the year the student elects to participate in the selection process. A grade of "C" or better must be achieved in all science courses. Biological science courses previously taken must have been completed within the last 10 years.
6. Complete the computer competency requirement.
7. Submit the required pre-admission test scores. See program director or clinical application for specific test information.
8. Students cannot audit any respiratory care course without the approval of the dean of Health Programs/program director of Respiratory Care.

*Any exceptions to the above policies must be approved by the Respiratory Care Admission Committee.*

#### CLINICAL RESPIRATORY CARE PROGRAM APPLICATION REQUIREMENTS

**A student who has completed all the above referenced requirements and has maintained an overall 2.0 GPA, excluding developmental education courses, is eligible to apply for admission to the clinical respiratory care program.** To apply for admission into the clinical respiratory care program, the student must complete and return to the director of Respiratory Care program, a Request for Admission into Clinical Respiratory Care form. This form must be filed no later than April 30 of the year the student elects to participate in the selection process for the fall semester respiratory care class. The student must attach to the form a current transcript of all the college courses.

#### SELECTION TO THE CLINICAL RESPIRATORY CARE PROGRAM

1. Selection of each class will be made by the Admission and Progression Committee whose membership consists of:
  - a. Respiratory Care Program Director
  - b. Respiratory Care Program Director of Clinical Education
  - c. Respiratory Care Program Medical Director
  - d. Respiratory Care Program Advisory Committee Member
  - e. Dean of Health Programs (ex officio)
2. The Admission and Progression Committee will rank each student on the basis of pre-determined criteria. The criteria include but are not limited to:
  - a. First grades received in the required biology courses
  - b. Number of successfully completed courses beyond those required for admission to the clinical respiratory care program
  - c. Overall grade point average in required college courses excluding developmental education grades.
  - d. ACT/ACT Residual score of greater than 19 or scores on the pre-admission test above the designated score. All test scores must be less than three years old.\*

- e. The committee may also require a personal interview and/or conduct reference checks.
- f. The top ranked applicants will be selected for each class. Decisions made by the committee are final.
3. Transfer Students - Individuals who have attended other colleges and desire to transfer into the WSCC clinical respiratory care program will be considered on an individual basis. Transfer requests should be directed to the Respiratory Care program director. Transfer students must meet the same standards and criteria as others desiring to pursue an associate degree in Respiratory Care at WSCC. A student may be required to audit a designated respiratory care course.
4. Transfer and Returning Students - Credit for respiratory care courses must have been earned within the last five years to be considered, unless a waiver is granted by the Respiratory Care program director. Credit for biology courses must have been earned within the past 10 years to be considered.
5. WSCC and transfer students selected for the fall semester will be notified in writing.
6. Students notified of admission into the clinical respiratory care program must return the following by the date specified on the form:
  - a. signed and dated acknowledgment of the Drug/Alcohol Abuse Policy and consent forms
  - b. a comprehensive health examination with complete hepatitis series.
7. Students who do not respond or who do not plan to attend will have their positions filled by other applicants selected by the Respiratory Care program director from the list recommended by the Admission and Progression Committee.
8. Students not selected for admission may reapply for admission.
7. Contact the Respiratory Care program director, Greeneville Center, Room 441 for additional information.

*\*ACT RESIDUAL and pre-admission testing can be scheduled through the counseling and testing office at WSCC.*

#### PROGRESSION/RETENTION POLICIES

To remain in good standing once admitted to the clinical respiratory care program, the student must:

1. Adhere to all WSCC, respiratory care program, and clinical agencies policies.
2. Earn a "C" or better in each required respiratory care and biology course and maintain a minimum WSCC GPA of 2.0.
3. Satisfactorily complete the didactic, laboratory and clinical requirements in each course. A grade of "D" or less in any respiratory care course will result in dismissal from the program.
4. Exhibit safe clinical behavior.
5. Demonstrate professional, ethical and legal conduct.
6. Retain the ability to rotate to all designated clinical sites throughout the entire program.
7. Maintain professional liability insurance.
8. Maintain American Heart Association Basic Life Support for Healthcare Providers certification.
9. Complete BIOL 2230/2231 (Microbiology) with a minimum grade of "C" before progressing into the fourth semester of clinical respiratory care.
10. Submit to a drug test if requested by the Respiratory Care program director at any time during the program. A positive drug test is grounds for immediate dismissal. Specific policy and procedure for drug and alcohol testing is listed in the *Respiratory Care Student Handbook*.
11. Have a yearly comprehensive health examination and submit the required form to the Respiratory Care program director by the designated date.
12. Individuals convicted of a crime other than a minor traffic violation could be ineligible for certified/registered therapist licensure in the state of Tennessee even though they have successfully completed the respiratory care program. (see criminal background check requirement)

#### READMISSION POLICIES

A student who has received a "D" or "F" in a respiratory care course or who has withdrawn from the clinical respiratory care program may apply for readmission. **The readmission policies are:**



1. A student must schedule an appointment with the Respiratory Care program director or full-time faculty member and complete the exit interview process. Failure to complete the exit interview process may render the student ineligible to pursue readmission.
2. A student must request in writing to the Respiratory Care program director to be considered by the Admission and Progression Committee according to the following schedule:
  - a. apply by April 30 for readmission to a fall semester respiratory care course
  - b. Apply by November 30 for readmission to a spring semester respiratory care course. Students will be notified by letter of the date and time they are to meet with the Admission and Progression Committee. It is the responsibility of the student to ensure the respiratory care program has the correct mailing address.
3. A student is eligible to appear before the Admissions and Progression Committee two times. If readmission is not granted after the second application, the student becomes ineligible for readmission.
4. The committee may allow a student to be readmitted without an interview under the following circumstances: obvious physical illness/disability necessitating the student's withdrawal or student physical or psychological problems with physician documentation.
5. Only one readmission to the clinical respiratory care program is permitted.
6. If a student elects to apply for readmission, auditing a designated respiratory care course or taking the course for a grade may be required to increase the probability of success.
7. A student with unsatisfactory clinical performance must be evaluated and recommended for readmission by a consensus of the respiratory care program faculty. Procedures for clinical evaluation are found in the *Respiratory Care Student Handbook*.
8. A student who has received two grades of "D" or below in respiratory care courses will not be eligible for readmission.
9. A student must have a cumulative 2.0 GPA or higher to be considered for readmission.
10. A student repeating a respiratory care course must repeat the classroom, laboratory and clinical components of the course if applicable.
11. A student may be readmitted only if space is available.
12. Any exceptions to be above possibilities must be approved by the Admissions and Progression Committee.

### HEALTH AND PHYSICAL CONSIDERATIONS FOR RESPIRATORY CARE STUDENTS

Because the college seeks to provide in as much as possible a reasonably safe environment for its health care students and their patients, a student may be required, during the course of their program, to demonstrate their physical and/or emotional fitness to meet the essential requirements of the program. Such essential requirements may include freedom from communicable diseases, the ability to perform certain physical tasks, and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, so as not to discriminate against any individual on the basis of disability.

All Tennessee Board of Regents Respiratory Care programs have adopted the following core performance standards. Admission to and progression in the respiratory care program is not based on these standards but should be used to assist the student in determining whether accommodations or modifications are necessary. The standards are:

1. Critical thinking ability sufficient for clinical judgement.
2. Interpersonal abilities sufficient to effectively interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
3. Communication abilities sufficient for interaction with others in verbal and written form.
4. Physical abilities sufficient to move from room to room and maneuver in small spaces.
5. Gross and fine motor abilities sufficient to monitor and assess health needs.
6. Auditory abilities sufficient to monitor and assess health needs.
7. Visual ability sufficient for observation and assessment necessary in respiratory care.

8. Tactile ability sufficient for physical assessment.

If a student believes that one or more of the standards cannot be met without accommodations or modification, the respiratory care program will determine whether or not accommodations can be reasonably made. A student should contact the Respiratory Care program director for assistance.

### LEGAL LIMITATION FOR LICENSURE

Graduates of the program will be eligible to apply to take the licensure exam to become a Certified Respiratory Therapist. However, individuals who have been convicted of a crime other than a minor traffic violation could be ineligible for a license as a respiratory therapist in Tennessee, even though they have successfully completed the respiratory care program.

### ACCREDITATION

The program is accredited by the Committee on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, Texas 76021-4244. Telephone 1-817-283-2835.

Course No.	Course Title	Credit Hours
<b>General Education Requirements (23 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
PSYC 1310	Introduction to Psychology.....	3
Natural Science		
BIOL 2010 <sup>2</sup>	Human Anatomy & Physiology I .....	3
BIOL 2011 <sup>2</sup>	Human Anatomy & Physiology I Lab .....	1
BIOL 2020 <sup>2</sup>	Human Anatomy & Physiology II .....	3
BIOL 2021 <sup>2</sup>	Human Anatomy & Physiology II Lab .....	1
BIOL 2230	Microbiology .....	3
Mathematics		
MATH <sup>1</sup> 1530	Probability and Statistics or higher level general education math course.....	3
<b>Total General Education Requirements .....</b>		<b>23 hours</b>
<b>Area of Emphasis Requirements (46 hours)</b>		
RESP 1110	Respiratory Care Science I .....	3
RESP 1111	Respiratory Care Science I Lab.....	1
RESP 1112	Clinical Practice I.....	2
RESP 1120	Cardiopulmonary Anatomy and Physiology.....	4
RESP 1130	Respiratory Care Science II .....	3
RESP 1131	Respiratory Care Science II Lab .....	1
RESP 1132	Clinical Practice II.....	4
RESP 1140	Pathology of Respiratory Diseases .....	4
RESP 2110	Respiratory Care Science III.....	3
RESP 2111	Respiratory Care Science III Lab .....	1
RESP 2112	Clinical Practice III .....	4
RESP 2116	Cardiopulmonary Diagnostic Testing.....	3
RESP 2120	Respiratory Care Science IV.....	3
RESP 2121	Respiratory Care Science IV Lab.....	1
RESP 2122	Clinical Practice IV .....	6
RESP 2130	Respiratory Care Seminar .....	3
<b>Total Credit Hours</b>		<b>69</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> These courses are **prerequisite** requirements that must be completed before beginning the program.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework and before beginning the respiratory care program. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.
- See criminal background check requirement statement on page 75.

*Programs with limited enrollment give priority to permanent Tennessee residents eligible for admission, then eligible U.S. citizens who are out-of-state residents, and then to eligible international students.*

*The applicant must meet WSCC general education and developmental education requirements. Upon admission to the respiratory care courses, the program requires four academic semesters.*

# DIVISION OF HUMANITIES

## Purpose

The Humanities Division encourages individuals to analyze, interpret and refine their experiences as they seek to determine who they are and what their lives ought to mean. The program assists the student in the acquisition of theoretical and practical knowledge relating to: 1) the history and appreciation of art, music, and theatre; 2) the philosophical and value foundations of human belief structures; 3) the abilities of thinking critically and writing effectively; 4) the sensibilities to literature of the Western world; 5) the development of conversational skills in foreign languages and oral communication; 6) the general and interdisciplinary studies relating to women, minority populations and the arts; and 7) the performance aspects of music, theatre and art. A developmental education program in reading and writing is provided.

## Department of Art

### Purpose

The Art Department provides instruction in Art Appreciation and Art History to meet the college's General Education goals. Design and Studio courses are offered for individuals in pursuit of a Fine/Studio Arts, Art Education and Art History degree. The curriculum is structured for students that intend to transfer to a four-year program. Emphasis is placed on the development of design concepts and fundamental skills for the construction of artifacts. Art majors should consult articulation agreements with four-year institutions.

### ART/ART EDUCATION

The Visual Arts programs are designed to meet a variety of student interests. The programs present basic design theory and experiences in two- and three-dimensional art production. Artists and artifacts of past civilizations are studied to influence individual style.

ART 2220	Photography II	
ART 2410	Ceramics I	
ART 2420	Ceramics II	
ART 1110	Basic Design I	3
	Foreign Language (Elementary sequence) <sup>4</sup>	6
	Physical Education Activity	1
<b>Total Credit Hours</b>		<b>60</b>

## Degree: Associate of Arts Emphasis: Art Education

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I	3
ENGL 1020	Composition II	3
SPCH 2010	Introduction to Speech Communication	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I or	3
ENGL 2120	American Literature II or	
ENGL 2410	Western World Literature I or	
ENGL 2420	Western World Literature II	
ART 2040	Art History I	3
ART 2050	Art History II	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and	3
HIST 1120	Survey of World Civilization II	3
or		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
	Approved Behavioral/ Social Science General Education electives <sup>2</sup>	6
Mathematics		
MATH 1530	Probability and Statistics or	3
MATH 1630	Finite Mathematics or	
MATH 1710	Pre-Calculus (Algebra)	
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>2</sup>	8

### Area of Emphasis Requirements (19 hours)

ART Studio <sup>3</sup>		9
<b>Select from:</b>		
ART 2510	Painting I	
ART 2520	Painting II	
ART 2610	Sculpture I	
ART 2620	Sculpture II	
ART 2710	Print Making I	
ART 2720	Print Making II	
ART 2210	Photography I	

<sup>1</sup> See senior institution for history requirements.

<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

<sup>4</sup> This A. A. degree requires proficiency in a foreign language equivalent to 6 hours of elementary college-level work, which can be applied toward B.A. degree requirements at a senior institution.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.



**Degree: Associate of Arts****Emphasis: Art History**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I <b>or</b> .....	3
ENGL 2120	American Literature II <b>or</b> .....	3
ENGL 2410	Western World Literature I <b>or</b> .....	3
ENGL 2420	Western World Literature II .....	3
ART 2040	Art History I .....	3
ART 2050	Art History II .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I <b>and</b> .....	3
HIST 1120	Survey of World Civilization II.....	3
<b>or</b>		
HIST 2010	American History I <b>and</b> .....	3
HIST 2020	American History II .....	3
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....		
6		
Mathematics		
MATH 1530	Probability and Statistics <b>or</b> .....	3
MATH 1630	Finite Mathematics <b>or</b> .....	3
MATH 1710	Pre-Calculus (Algebra) .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
8		
<b>Area of Emphasis Requirements (19 hours)</b>		
ART Studio <sup>3</sup> .....		9
<b>Select from:</b>		
ART 2510	Painting I .....	3
ART 2520	Painting II .....	3
ART 2610	Sculpture I .....	3
ART 2620	Sculpture II .....	3
ART 2710	Print Making I .....	3
ART 2720	Print Making II .....	3
ART 2210	Photography I .....	3
ART 2220	Photography II .....	3
ART 2410	Ceramics I .....	3
ART 2420	Ceramics II .....	3
ART 1110	Basic Design I .....	3
Foreign Language (Elementary sequence) <sup>4</sup> .....		
6		
Physical Education Activity .....		
1		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.

<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

<sup>4</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of elementary college-level work, which can be applied toward B.A. degree requirements at a senior institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**Degree: Associate of Arts****Emphasis: Fine/Studio Arts**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I <b>or</b> .....	3
ENGL 2120	American Literature II <b>or</b> .....	3
ENGL 2410	Western World Literature I <b>or</b> .....	3
ENGL 2420	Western World Literature II .....	3
ART 2040	Art History I .....	3
ART 2050	Art History II .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I <b>and</b> .....	3
HIST 1120	Survey of World Civilization II.....	3
<b>or</b>		
HIST 2010	American History I <b>and</b> .....	3
HIST 2020	American History II .....	3
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....		
6		
Mathematics		
MATH 1530	Probability and Statistics <b>or</b> .....	3
MATH 1630	Finite Mathematics <b>or</b> .....	3
MATH 1710	Pre-Calculus (Algebra) .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
8		
<b>Area of Emphasis Requirements (19 hours)</b>		
ART Studio <sup>3</sup> .....		6
<b>Select from:</b>		
ART 2510	Painting I .....	3
ART 2520	Painting II .....	3
ART 2610	Sculpture I .....	3
ART 2620	Sculpture II .....	3
ART 2710	Print Making I .....	3
ART 2720	Print Making II .....	3
ART 2210	Photography I .....	3
ART 2220	Photography II .....	3
ART 2410	Ceramics I .....	3
ART 2420	Ceramics II .....	3
ART 1110	Basic Design I.....	3
ART 1120	Basic Design II.....	3
Foreign Language (Elementary sequence) <sup>4</sup> .....		
6		
Physical Education Activity .....		
1		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.

<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

<sup>4</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of elementary college-level work, which can be applied toward B.A. degree requirements at a senior institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### ENGLISH

The English discipline teaches students to think critically, write effectively and develop sensibilities to the literary tradition of the Western World through offerings in composition and literature. The discipline emphasizes language skills and the literary arts.

#### Degree: Associate of Arts

#### Emphasis: English

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I .....	3
ENGL 2420	Western World Literature II .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
<b>Select from:</b>	ART 2040 Art History Survey I <b>or</b>	
	MUS 1030 Music Appreciation <b>or</b>	
	PHIL 2210 Religions and Culture <b>or</b>	
	THEA 1030 Introduction to Theatre	
History <sup>2</sup> .....		6
HIST 1110	Survey of World Civilization I <b>and</b>	
HIST 1120	Survey of World Civilization II	
<b>or</b>		
HIST 2010	American History I <b>and</b>	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics <b>or</b>	
MATH 1710	Pre-Calculus (Algebra) <b>or</b>	
MATH 1530	Probability and Statistics .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
ENGL 2510	Folklore .....	3
ENGL 2810	Creative Writing I .....	3
ENGL 2820	Creative Writing II .....	3
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
ELECTIVES <sup>4</sup>	Humanities .....	3
Other elective .....		1
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> See senior institution for history requirements.  
<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.  
<sup>4</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### FOREIGN LANGUAGE

The Foreign Language discipline seeks to reveal how other peoples express, interpret and live out their personal existences through their language and culture.

#### Degree: Associate of Arts

#### Emphasis: French, German, or Spanish

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I .....	3
ENGL 2420	Western World Literature II .....	3
HUM 2110	Humanities: The Human Adventure II <b>or</b> .....	3
PHIL 2210	Religions and Culture <b>or</b>	
PHIL 1030	Human Nature and Life	
History <sup>1</sup> .....		6
HIST 1110	Survey of World Civilization I <b>and</b>	
HIST 1120	Survey of World Civilization II	
<b>or</b>		
HIST 2010	American History I <b>and</b>	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics <b>or</b>	
MATH 1710	Pre-Calculus (Algebra) <b>or</b>	
MATH 1530	Probability and Statistics .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
Foreign Language (Intermediate sequence) <sup>3</sup> .....		6
ELECTIVES <sup>4</sup> .....		13
<b>Total Credit Hours</b>		<b>60</b>

The courses below are strongly recommended to complement the foreign language program:

- GEOG 1012 Introduction to Cultural Geography
- GEOG 1013 World Geography I
- GEOG 1014 World Geography II
- HUM 2010 Humanities: The Human Adventure I
- SOCI 1240 Introduction to Cultural Anthropology
- SPAN 2900 Contemporary Topics in Speech Communication
- SPCH 2040 Interpersonal Communications
- THEA 2410 Acting I

<sup>1</sup> See senior institution for history requirements.  
<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.  
<sup>4</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## GENERAL STUDIES

Humanities offers general courses of study devoted to the concerns of human thought and culture. Emphasis is placed upon the investigation and discovery of past, present and future civilizations through the process of critical thinking.

### Degree: Associate of Arts

#### Emphasis: General Studies

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I and .....	3
ENGL 2120	American Literature II .....	3
or		
ENGL 2410	Western World Literature I and .....	3
ENGL 2420	Western World Literature II .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
History <sup>2</sup> .....		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II .....	3
or		
HIST 2010	American History I and .....	3
HIST 2020	American History II .....	3
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education elective <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics or .....	3
MATH 1710	Pre-Calculus (Algebra) or .....	3
MATH 1530	Probability and Statistics.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
ELECTIVES <sup>4</sup>	Humanities .....	12
	Other.....	1
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

<sup>4</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental courses must be taken every semester until completed.

## HUMANITIES

Humanities offers general courses of study devoted to the concerns of human thought and culture. Emphasis is placed upon the investigation and discovery of past, present and future civilizations through the process of critical thinking.

### Degree: Associate of Arts

#### Emphasis: Liberal Arts

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I and .....	3
ENGL 2120	American Literature II .....	3
or		
ENGL 2410	Western World Literature I and .....	3
ENGL 2420	Western World Literature II .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
History <sup>2</sup> .....		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II .....	3
or		
HIST 2010	American History I and .....	3
HIST 2020	American History II .....	3
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education electives <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics or .....	3
MATH 1710	Pre-Calculus (Algebra) or .....	3
MATH 1530	Probability and Statistics.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
ELECTIVES <sup>4</sup>	Humanities .....	12
	Other.....	1
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

<sup>4</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## REGENTS ON-LINE DEGREE PROGRAM

### Degree: Associate of Arts (University Parallel)

#### Emphasis: General Studies

For program information:

<http://www.tn.regentsdegrees.org/campus/wsccl>

**WOMEN'S STUDIES**

The Women's Studies emphasis curriculum serves to familiarize the student with the interdisciplinary academic field of women's studies within the broader liberal arts concept.

**Degree: Associate of Arts**

**Emphasis: Women's Studies**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II.....	3
Approved Humanities General Education elective <sup>1</sup> .....		
<b>Select from:</b>		
ART 2040	Art History Survey I	
ART 2050	Art History Survey II	
MUS 1030	Music Appreciation	
PHIL 1030	Human Nature and Life	
PHIL 2020	Self and Values	
THEA 1030	Introduction to Theatre	
History <sup>2</sup> .....		6
HIST 1110	Survey of World Civilization I and	
HIST 1120	Survey of World Civilization II	
<b>or</b>		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education electives <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics <b>or</b>	
MATH 1710	Pre-Calculus (Algebra) <b>or</b>	
MATH 1530	Probability and Statistics .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
HUMA 2150	Women in Literature.....	3
HUMA 2200	Women in Society .....	3
<b>or</b>		
HIST 2200	Women in Society	
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
ELECTIVES <sup>4</sup> Humanities .....		
<b>Select from:</b>		
ART 2040	Art History Survey I	
ART 2050	Art History Survey II	
MUS 1030	Music Appreciation	
PHIL 2210	Religions and Culture	
PHIL 1030	Human Nature and Life	
PHIL 2020	Self and Values	
THEA 1030	Introduction to Theatre	
Other Elective <sup>4</sup> .....		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

<sup>4</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**MASS COMMUNICATIONS**

Mass Communications courses seek to enable students to think critically and communicate effectively thereby preparing them for careers in the fields of broadcasting, journalism and mass communications.

**Degree: Associate of Arts**

**Emphasis: Broadcasting**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
History <sup>2</sup> .....		
HIST 1110	Survey of World Civilization I and	
HIST 1120	Survey of World Civilization II	
<b>or</b>		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>1</sup> .....		
Mathematics		
MATH 1530	Probability and Statistics .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MCOM 1020	Introduction to Mass Communications .....	3
MCOM 2030	Reporting .....	3
MCOM 2600	Survey of Broadcasting.....	3
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
Other Elective <sup>2</sup> .....		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**Degree: Associate of Arts****Emphasis: Journalism**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
History <sup>2</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II.....	3
or		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Math .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MCOM 1020	Introduction to Mass Communications .....	3
MCOM 2030	Reporting .....	3
MCOM 2600	Survey of Broadcasting.....	3
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
Other Elective <sup>4</sup> .....		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

<sup>4</sup> Other electives subject to approval by Mass Communication advisor and determined to be appropriate course selection transferable to specific institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**Degree: Associate of Arts****Emphasis: Mass Communications**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
Approved Humanities General Education elective <sup>1</sup> .....		
History <sup>2</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II.....	3
or		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MCOM 1020	Introduction to Mass Communications .....	3
MCOM 1040	Writing for Mass Media .....	3
MCOM 2600	Survey of Broadcasting.....	3
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
Other elective <sup>4</sup> .....		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

<sup>4</sup> Other electives subject to approval by Mass Communication advisor and determined to be appropriate course selection transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**MUSIC**

This discipline presents traditional and non-traditional musical styles through both listening and score reading. Opportunities are provided for attending, interpreting and participating in performances.

**Degree: Associate of Arts**

**Emphasis: Music**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I .....	3
ENGL 2420	Western World Literature II .....	3
MUS 1030	Music Appreciation .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II .....	3
or		
HIST 2010	American History I and .....	
HIST 2020	American History II .....	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics .....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MUS 1040	Ear Training I .....	1
MUS 1045	Ear Training II .....	1
MUS 1110	Theory I .....	3
MUS 1120	Theory II .....	3
Applied Music <sup>3</sup>	<b>Select from:</b> .....	4
	MUS 1912 Individual Music Instruction - Voice .....	
	MUS 1935 Individual Music Instruction - Brass .....	
	MUS 1922 Individual Music Instruction - Keyboard .....	
	MUS 1936 Individual Music Instruction - Percussion .....	
	MUS 1933 Individual Music Instruction - Guitar .....	
	MUS 1937 Individual Music Instruction - Strings .....	
	MUS 1934 Individual Music Instruction - Woodwinds .....	
Ensemble <sup>3</sup>	<b>Select from:</b> .....	1
	MUS 1050 Concert Choir .....	
	MUS 1090 Jazz Band .....	
	MUS 1060 College-Community Chorale .....	
	MUS 1740 Choral Performance Ensemble .....	
	MUS 2090 College-Community Symphonic Band .....	
Foreign Language (Elementary sequence) <sup>4</sup>	.....	6
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.  
<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.  
<sup>4</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of elementary college-level work, which can be applied toward B.A. degree requirements at a senior institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- All music majors are required to take a Theory and Piano Proficiency Exam. Those scoring below 80% on the Theory Exam will be required to enroll in MUS 1020-Fundamentals of Music. Those scoring below 80% on the Piano Exam will be required to enroll in MUS 1610 and 1620.

**Degree: Associate of Arts**

**Emphasis: Music Education**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I .....	3
ART 1030	Art Appreciation .....	3
MUS 1030	Music Appreciation .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II .....	3
or		
HIST 2010	American History I and .....	
HIST 2020	American History II .....	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
PHYS 1310	Introduction to Psychology .....	3
Mathematics		
MATH 1530	Probability and Statistics or .....	3
MATH 1630	Finite Mathematics or .....	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MUS 1040	Ear Training I .....	1
MUS 1045	Ear Training II .....	1
MUS 1110	Theory I .....	3
MUS 1120	Theory II .....	3
Applied Music <sup>3</sup>	<b>Select from:</b> .....	4
	MUS 1912 Individual Music Instruction - Voice .....	
	MUS 1935 Individual Music Instruction - Brass .....	
	MUS 1922 Individual Music Instruction - Keyboard .....	
	MUS 1936 Individual Music Instruction - Percussion .....	
	MUS 1933 Individual Music Instruction - Guitar .....	
	MUS 1937 Individual Music Instruction - Strings .....	
	MUS 1934 Individual Music Instruction - Woodwinds .....	
Ensemble <sup>3</sup>	<b>Select from:</b> .....	1
	MUS 1050 Concert Choir .....	
	MUS 1090 Jazz Band .....	
	MUS 1060 College-Community Chorale .....	
	MUS 2090 College-Community Symphonic Band .....	
Foreign Language (Elementary sequence) <sup>4</sup>	.....	6
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.  
<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.  
<sup>4</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of elementary college-level work, which can be applied toward B.A. degree requirements at a senior institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- All music majors are required to take a Theory and Piano Proficiency Exam. Those scoring below 80% on the Theory Exam will be required to enroll in MUS 1020-Fundamentals of Music. Those scoring below 80% on the Piano Exam will be required to enroll in MUS 1610 and 1620.



**Degree: Associate of Science****Emphasis: Professional Entertainment - Performance**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II.....	3
MUS 1030	Music Appreciation.....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II.....	3
or		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....		
Mathematics		
MATH 1530	Probability and Statistics or .....	3
MATH 1630	Finite Mathematics	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MUS 1040	Ear Training I .....	1
MUS 1045	Ear Training II .....	1
MUS 1110	Theory I .....	3
MUS 1120	Theory II .....	3
MUS 1745	Music Business .....	3
Applied Music <sup>3</sup> <b>Select from:</b> .....		
	MUS 1912 Individual Music Instruction - Voice	
	MUS 1922 Individual Music Instruction - Keyboard	
	MUS 1933 Individual Music Instruction - Guitar	
	MUS 1934 Individual Music Instruction - Woodwinds	
	MUS 1935 Individual Music Instruction - Brass	
	MUS 1936 Individual Music Instruction - Percussion	
	MUS 1937 Individual Music Instruction - Strings	
Ensemble <sup>3</sup> <b>Select from:</b> .....		
	MUS 1090 Jazz Band	
	MUS 1730 Choral Studies	
	MUS 1770 BackBeat	
	Other Approved Ensemble	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.

<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

• Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

• High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

• All music majors are required to take a Theory and Piano Proficiency Exam. Those scoring below 80% on the Theory Exam will be required to enroll in MUS 1020-Fundamentals of Music. Those scoring below 80% on the Piano Exam will be required to enroll in MUS 1610 and 1620.

**Degree: Associate of Science****Emphasis: Professional Entertainment – Stage Management/Technician**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
THEA 1030	Introduction to Theatre .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II.....	3
or		
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education electives <sup>2</sup> ....		
Mathematics		
MATH 1530	Probability and Statistics or .....	3
MATH 1630	Finite Mathematics	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
MCOM 1020	Introduction to Mass Communications .....	3
THEA 1210	Voice and Physical Preparation .....	3
THEA 2410	Acting I.....	3
THEA 2430	Stagecraft .....	3
Electives <sup>3</sup> .....		7
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.

<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

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• High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

• All music majors are required to take a Theory and Piano Proficiency Exam. Those scoring below 80% on the Theory Exam will be required to enroll in MUS 1020-Fundamentals of Music. Those scoring below 80% on the Piano Exam will be required to enroll in MUS 1610 and 1620.

**PHILOSOPHY**

Philosophy involves reasoning and thinking critically about all areas of life: science, religion, art, politics and morality. Its purpose is to understand and evaluate our most basic beliefs and values and to integrate them in a coherent view of ourselves and the world.

**Degree: Associate of Arts**

**Emphasis: Philosophy**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
	Approved General Education Humanities elective .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II .....	3
	or	
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
	Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....	3
Mathematics		
MATH 1530	Probability and Statistics or .....	3
MATH 1630	Finite Mathematics or	
MATH 1710	Pre-Calculus (Algebra)	
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>2</sup> .....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
PHIL 1030	Human Nature and Life .....	3
PHIL 1600	Issues in Philosophy .....	3
PHIL 2020	Self and Values .....	3
PHIL 2210	Religion and Culture.....	3
	Foreign Language (Intermediate sequence) <sup>3</sup> .....	6
	Physical Education .....	1
	<b>Total Credit Hours</b>	<b>60</b>

<sup>1</sup> See senior institution for history requirements.  
<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**Degree: Associate of Arts**

**Emphasis: Religious Studies**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I or .....	3
ENGL 2120	American Literature II or	
ENGL 2410	Western World Literature I or	
ENGL 2420	Western World Literature II	
PHIL 1030	Human Nature and Life .....	3
PHIL 2210	Religion and Culture.....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and	
HIST 1120	Survey of World Civilization II	
	or	
HIST 2010	American History I and	
HIST 2020	American History II	
Behavioral/ Social Sciences		
SOCI 1020	General Sociology, Institutions and Society .....	3
	Approved Behavioral/ Social Science General Education elective <sup>2</sup> .....	3
Mathematics		
MATH 1630	Finite Mathematics or	
MATH 1710	Pre-Calculus (Algebra) or	
MATH 1530	Probability and Statistics.....	3
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>1</sup> .....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
PHIL 1600	Issues in Philosophy .....	3
SOCI 1240	Introduction to Cultural Anthropology.....	3
SOCI 2110	Family, Society, and the Individual.....	3
	Foreign Language (Intermediate sequence) <sup>3</sup> .....	6
	ELECTIVES <sup>4</sup> .....	3
	<b>Select from:</b>	
ART 2040	Art History Survey I	
ART 2050	Art History Survey II	
MUS 1030	Music Appreciation	
THEA 1030	Introduction to Theatre	
	Other Elective <sup>4</sup> .....	1
	<b>Total Credit Hours</b>	<b>60</b>

<sup>1</sup>See senior institution for history requirements.  
<sup>2</sup>General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>3</sup>This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.  
<sup>4</sup>Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## SPEECH COMMUNICATION

Speech Communication provides training in communication skills for effective communication in interpersonal, business and professional settings.

### Degree: Associate of Arts

### Emphasis: Speech Communication

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2110	American Literature I and .....	3
ENGL 2120	American Literature II .....	3
Approved General Education Humanities elective <sup>1</sup> .....		
History <sup>2</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II.....	3
or		
HIST 2010	American History I and .....	
HIST 2020	American History II .....	
Behavioral/ Social Sciences		
Approved Behavioral/ Social Science General Education electives <sup>1</sup> ....		
Mathematics		
MATH 1530	Probability and Statistics or .....	3
MATH 1630	Finite Mathematics or .....	
MATH 1710	Pre-Calculus (Algebra) .....	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (19 hours)</b>		
SPCH 2020	Advanced Speech Communication .....	3
SPCH 2030	Debate .....	3
SPCH 2040	Interpersonal Communication .....	3
SPCH 2050	Introduction to Film and Media Criticism.....	3
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
Physical Education Activity .....		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## THEATRE

Theatre provides opportunities for involvement in public performance, stagecraft, set building, and acting.

### Degree: Associate of Arts

### Emphasis: Theatre

Course No.	Course Title	Credit Hours
<b>General Education Courses (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II .....	3
THEA 1030	Introduction to Theatre .....	3
History <sup>1</sup>		
HIST 1110	Survey of World Civilization I and .....	3
HIST 1120	Survey of World Civilization II.....	3
or		
HIST 2010	American History I and .....	
HIST 2020	American History II .....	
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>2</sup> .....		
Mathematics.....		
MATH 1630	Finite Mathematics or .....	3
MATH 1530	Probability and Statistics or .....	
MATH 1710	Pre-Calculus (Algebra) .....	
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>2</sup> .....		
<b>Area of Emphasis/Concentration Requirements (19 hours)</b>		
THEA 1210	Vocal and Physical Preparation .....	3
THEA 2410	Acting I.....	3
THEA 2430	Stagecraft .....	3
THEA 2450	Acting II or .....	
THEA 2990	Theatre Topics.....	3
Foreign Language (Intermediate sequence) <sup>3</sup> .....		
ELECTIVE <sup>4</sup> .....		
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> See senior institution for history requirements.

<sup>2</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of intermediate college-level work, which can be applied toward B.A. degree requirements at a senior institution.

<sup>4</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## DANCE

This discipline presents traditional and non-traditional dance styles and provides opportunities for involvement in dance analysis, interpretation, and public performances.

### Degree: Associate of Arts

### Emphasis: Dance

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
ENGL 2410	Western World Literature I.....	3
ENGL 2420	Western World Literature II.....	3
	Approved Humanities General Education electives <sup>1</sup> .....	3
History <sup>2</sup>		
HIST 1110	Survey of World Civilization I <b>and</b> .....	6
HIST 1120	Survey of World Civilization II	
	<b>or</b>	
HIST 2010	American History I <b>and</b>	
HIST 2020	American History II	
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science elective <sup>1</sup> .....	6
Mathematics		
MATH 1630	Finite Mathematics <b>or</b> .....	3
MATH 1530	Probability and Statistics <b>or</b>	
MATH 1710	Pre-Calculus (Algebra)	
Natural Science		
	Approved Natural Science w/Lab General Education electives <sup>1</sup> .....	8
<b>Area of Emphasis Requirements (19 hours)</b>		
DANC 1030	Introduction to Dance .....	3
	Select <b>10</b> credit hours from the following with no more than	
	<b>8</b> hours in any one dance style: .....	10
	DANC 1530 Ballet I	
	DANC 1535 Ballet II	
	DANC 1540 Jazz I	
	DANC 1545 Jazz II	
	DANC 1550 Modern Dance I	
	DANC 1555 Modern Dance II	
	DANC 1560 Tap I	
	DANC 1565 Tap II	
	DANC 1570 Clogging	
	Foreign Language (Elementary sequence) <sup>3</sup> .....	6
	<b>Total Credit Hours</b>	<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirement.

<sup>3</sup> This A.A. degree requires proficiency in a foreign language equivalent to 6 hours of elementary college-level work, which can be applied toward B.A. degree requirements at a senior institution.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## DIVISION OF MATHEMATICS

### Purpose

The Mathematics Division educates students in the mathematics necessary for them to function in an increasingly diverse, complex and global society. The division provides opportunities for students to master a body of knowledge and technical skills from the discipline of mathematics as they develop enhanced communication skills and mathematical habits of the mind. The division includes a developmental education program in mathematics.

### MATHEMATICS EDUCATION / STATISTICS

Students planning to pursue an academic program in teaching secondary mathematics, in mathematics or in statistics may take the first two years of study directed by a mathematics advisor. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

#### Degree: Associate of Science

#### Emphasis: Mathematics/Mathematics Education/Statistics

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
Approved Natural Science w/Lab General Education Elective <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (18 hours)</b>		
MATH 1920	Calculus II .....	4
MATH 2110	Calculus III .....	4
MATH 2120	Differential Equations .....	3
CPSC 2170/2171	Computer Programming Math/Engineering .....	3
ELECTIVES <sup>3</sup> .....		4
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

- Additional courses or hours beyond those listed above may be needed for students to transfer as juniors to certain senior institutions. Mathematics Education students should check requirements for admission to teacher education programs at senior institutions.

### PRE-PROFESSIONAL ENGINEERING PROGRAM

Students planning to pursue an academic program in engineering may take the first two years of study directed by a pre-engineering advisor. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

#### Degree: Associate of Science

#### Emphasis: Pre-Engineering

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science <sup>3</sup>		
8 hours as required by the transfer institution from group A* .....		8
<b>Area of Emphasis Requirements (24 hours)</b>		
MATH 1920	Calculus II .....	4
MATH 2110	Calculus III .....	4
MATH 2120	Differential Equations .....	3
Science elective <sup>3</sup> as required by the institution from group A* .....		4
Engineering elective <sup>3</sup> as required by the institution from group B** .....		9
<b>Total Credit Hours</b>		<b>66</b>

#### \*Group A (12 hours)

CHEM 1110/1111	General Chemistry I/Lab
CHEM 1120/1121	General Chemistry II/Lab
PHYS 2110/2111	Physics I/Lab
PHYS 2120/2121	Physics II/Lab

#### \*\*Group B (9 hours)

CPSC 2170/2171	Computer Programming Math/Engineering/Lab or
CPSC 1350/1351	Introduction to Computer Science I/Lab
ITDD 1010/1011	Engineering Graphics I/Lab
PHYS 2210	Statics
PHYS 2220	Dynamics

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions. Science electives should be selected from Group A; Engineering electives from Group B.

#### NOTES

- Additional courses or hours beyond those listed above may be needed for students to transfer as juniors to some senior institutions. Check these courses:

CHEM 2010/2011	Organic Chemistry I/Lab
CHEM 2020/2021	Organic Chemistry II/Lab

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## DIVISION OF NATURAL SCIENCE

### Purpose

Provide an environment for learning and discovery in biology, chemistry and physics. To accomplish this, the division of Natural Science provides:

- General education and elective courses in the natural sciences for all students in the college.
- Opportunities for students to learn fundamental concepts of natural science and natural science connections with technology and societal changes.
- Programs of academic and career advising for university parallel and pre-professional students.

### ASTRONOMY

Designed for students planning to pursue an academic program in astronomy. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

**Degree: Associate of Science**

**Emphasis: Astronomy**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
PHYS 2110/2111	Physics I w/Lab .....	4
PHYS 2120/2121	Physics II w/Lab.....	4
<b>Area of Emphasis Requirements (18 hours)</b>		
MATH 1920	Calculus II .....	4
MATH 2110	Calculus III .....	4
MATH 2120	Differential Equations.....	3
ASTR 1030	Astronomy .....	3
ASTR 1031	Astronomy Lab .....	1
ELECTIVES <sup>3</sup>	.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

### BIOLOGY

Designed for students planning to pursue an academic program in biology. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

**Degree: Associate of Science**

**Emphasis: Biology**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41-42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
BIOL 1110	Organization/Function of Cell.....	3
BIOL 1111	Organization /Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab.....	1
<b>Area of Emphasis Requirements (20 hours)</b>		
Elective <sup>3</sup>	Biology – 2000 Level.....	4
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab .....	1
ELECTIVES <sup>3</sup>	Science .....	8
<b>Select from:</b>		
PHYS 2110/2111	Physics I w/Lab	
PHYS 2120/2121	Physics II w/Lab	
<b>or</b>		
CHEM 2010	Organic Chemistry I	
CHEM 2011	Organic Chemistry I Lab	
CHEM 2020	Organic Chemistry II	
CHEM 2021	Organic Chemistry II Lab	
<b>Total Credit Hours</b>		<b>62</b>

#### Select from:

PHYS 2110/2111 Physics I w/Lab  
PHYS 2120/2121 Physics II w/Lab

or

CHEM 2010 Organic Chemistry I  
CHEM 2011 Organic Chemistry I Lab  
CHEM 2020 Organic Chemistry II  
CHEM 2021 Organic Chemistry II Lab

**Total Credit Hours**

**62**

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## CHEMISTRY

Designed for students planning to pursue an academic program in chemistry. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

**Degree: Associate of Science**

**Emphasis: Chemistry**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab .....	1
<b>Area of Emphasis Requirements (18 hours)</b>		
CHEM 2010	Organic Chemistry I.....	3
CHEM 2011	Organic Chemistry I Lab .....	1
CHEM 2020	Organic Chemistry II.....	3
CHEM 2021	Organic Chemistry II Lab.....	1
Choose from the following physics sequences: <sup>3</sup> .....		8
PHYS 2010/2011	General Physics I w/Lab	
PHYS 2020/2021	General Physics II w/Lab	
or		
PHYS 2110/2111	Physics I w/Lab	
PHYS 2120/2121	Physics II w/Lab	
ELECTIVES <sup>3</sup> .....		2
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## GEOLOGY

Designed for students planning to pursue an academic program in geology. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

**Degree: Associate of Science**

**Emphasis: Geology**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
PHYS 2110/2111	Physics I w/Lab.....	4
PHYS 2120/2121	Physics II w/Lab .....	4
<b>Area of Emphasis Requirements (18 hours)</b>		
GEOL 1030	Geology .....	3
GEOL 1031	Geology Lab .....	1
MATH 1920	Calculus II .....	4
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab .....	1
ELECTIVES <sup>3</sup> .....		2
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.

- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## PHYSICS

Designed for students planning to pursue an academic program in physics. Students should be fully aware of the curriculum of the institution to which they plan to transfer and must follow close advisement.

### Degree: Associate of Science

#### Emphasis: Physics

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
PHYS 2110/2111	Physics I w/Lab .....	4
PHYS 2120/2121	Physics II w/Lab .....	4

#### Area of Emphasis Requirements (19 hours)

MATH 1920	Calculus II .....	4
MATH 2110	Calculus III .....	4
MATH 2120	Differential Equations.....	3
ELECTIVES <sup>3</sup>	.....	8
<b>Total Credit Hours</b>		<b>61</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## PRE-PROFESSIONAL HEALTH PROGRAMS

Pre-Professional Health Programs are designed to satisfy minimum requirements for admission to professional schools. The recommended curriculum for a program may vary depending upon the admission requirements of the degree granting institution. The student should check with advisor for more information. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirements does not assure admission into a health science program.

## PRE-CHIROPRACTIC

Designed to prepare students for entrance to professional chiropractic schools where admission requirements are two years of college course work.

### Degree: Associate of Science

#### Emphasis: Pre-Chiropractic

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		3
PSYC 1310	Introduction to Psychology I .....	3
Mathematics		
MATH 1720	Pre-Calculus (Trigonometry).....	3
Natural Science		
BIOL 2010	Human Anatomy & Physiology I .....	3
BIOL 2011	Human Anatomy & Physiology I Lab.....	1
BIOL 2020	Human Anatomy & Physiology II.....	3
BIOL 2021	Human Anatomy & Physiology II Lab .....	1

#### Area of Emphasis Requirements (20 hours)

CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab.....	1
CHEM 1120	General Chemistry II .....	3
CHEM 1121	General Chemistry II Lab.....	1
CHEM 2010	Organic Chemistry I .....	3
CHEM 2011	Organic Chemistry I Lab.....	1
CHEM 2020	Organic Chemistry II.....	3
CHEM 2021	Organic Chemistry II Lab .....	1
PHYS 2010/2011	General Physics I w/Lab .....	4
<b>Total Credit Hours</b>		<b>61</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- Completion of the above courses satisfies requirements for the A.S. degree. PHYS 2020-21 will be required prior to entry into chiropractic schools. Students should consider taking PHYS2020-21 at Walters State to assure transfer of the entire sequence to the senior institution.

Pre-professional admission requirements vary with degree granting institutions. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirement does not assure admission into a health science program.



## PRE-DENTAL

Designed to cover the first two years of course work for students preparing to enter dentistry. At least one additional year of course work will be required at a senior institution. Pre-Dental students should plan their curriculum for a baccalaureate major because most students accepted into dental schools have the baccalaureate degree.

### Degree: Associate of Science

#### Emphasis: Pre-Dental

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1720	Pre-Calculus (Trigonometry) .....	3
Natural Science		
BIOL 1110	Organization/Function of Cell .....	3
BIOL 1111	Organization/Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab .....	1
<b>Area of Emphasis Requirements (20 hours)</b>		
CHEM 1110	General Chemistry I .....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II .....	3
CHEM 1121	General Chemistry II Lab .....	1
CHEM 2010	Organic Chemistry I .....	3
CHEM 2011	Organic Chemistry I Lab .....	1
CHEM 2020	Organic Chemistry II .....	3
CHEM 2021	Organic Chemistry II Lab .....	1
PHYS 2010/2011	General Physics I w/Lab .....	4
<b>Total Credit Hours</b>		<b>61</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- Completion of the above courses satisfies requirements for the A. S. degree. PHYS 2020-21 will be required prior to entry into dental schools. Students should consider taking PHYS 2020-21 at Walters State to assure transfer of the entire sequence to the senior institution.

## PRE-DENTAL HYGIENE

Designed for the student who plans to apply for admission to the dental hygiene program at ETSU. Two years of course work at Walters State plus two years of study in the dental hygiene program are required.

### Degree: Associate of Science

#### Emphasis: Pre-Dental Hygiene

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History		
HIST 2010	American History I .....	3
HIST 2020	American History II .....	3
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology I .....	3
SOCI 1020	Introduction to Sociology .....	3
Mathematics		
MATH 1530	Probability and Statistics .....	3
Natural Science		
BIOL 2010	Human Anatomy & Physiology I .....	3
BIOL 2011	Human Anatomy & Physiology I Lab .....	1
BIOL 2020	Human Anatomy & Physiology II .....	3
BIOL 2021	Human Anatomy & Physiology II Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
CHEM 1010	Introduction to Chemistry .....	3
CHEM 1011	Introduction to Chemistry Lab .....	1
BIOL 2510	Introduction to Microbiology .....	3
BIOL 2511	Introduction to Microbiology Lab .....	1
CPSC 1100	Using Information Technology .....	3
HLTH 2310	Safety and First Aid .....	3
Physical Education Activity .....		1
ELECTIVES <sup>2</sup> .....		4
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- ETSU will phase out the A.S. Degree in Dental Hygiene. Applicants for the 2005 class must meet above requirements for entrance into the B.S. Degree program.

Pre-professional admission requirements vary with degree granting institutions. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirement does not assure admission into a health science program.

## PRE-ENVIRONMENTAL HEALTH

Designed for the student who plans to apply for admission to the environmental health program at ETSU. Two years of course work at Walters State plus two years of study in the environmental health program are required.

### Degree: Associate of Science

#### Emphasis: Pre-Environmental Health

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History		
HIST 2010	American History I.....	3
HIST 2020	American History II.....	3
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1910	Calculus I .....	4
Natural Science		
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab.....	1
<b>Area of Emphasis Requirements (18 hours)</b>		
CHEM 2010	Organic Chemistry I.....	3
CHEM 2011	Organic Chemistry I Lab.....	1
BIOL 1110	Cell Biology.....	3
BIOL 1111	Cell Biology Lab.....	1
PHYS 2010/2011	General Physics I w/Lab .....	4
CPSC 1100	Using Information Technology.....	3
ELECTIVE <sup>2</sup>	.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferrable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## PRE-MEDICAL TECHNOLOGY

Designed to cover the first two years of course work for students planning for a B.S. degree in Medical Technology. Students should check with an advisor for admission requirements at the degree-granting institution of interest.

### Degree: Associate of Science

#### Emphasis: Pre-Medical Technology

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		3
PYSC 1310	Introduction to Psychology.....	3
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
BIOL 1110	Organization/Function of Cell.....	3
BIOL 1111	Organization/Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab.....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab.....	1
CHEM 2010	Organic Chemistry I.....	3
CHEM 2011	Organic Chemistry I Lab .....	1
CHEM 2020	Organic Chemistry II .....	3
CHEM 2021	Organic Chemistry II Lab.....	1
MATH 1830	Calculus A .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

Pre-professional admission requirements vary with degree granting institutions. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirement does not assure admission into a health science program.

## PRE-MEDICINE

Designed to cover the first two years of course work for students preparing to study medicine. At least one additional year of course work will be required at a senior institution. The pre-medical student should plan the curriculum for a baccalaureate major because more students accepted into medical schools have the baccalaureate degree.

**Degree: Associate of Science**

**Emphasis: Pre-Medicine**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		
Approved Literature elective <sup>1</sup> .....		
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		
Mathematics		
MATH 1720	Pre-Calculus (Trigonometry) .....	3
Natural Science		
BIOL 1110	Organization/Function of Cell .....	3
BIOL 1111	Organization/Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab .....	1
<b>Area of Emphasis Requirements (20 hours)</b>		
CHEM 1110	General Chemistry I .....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II .....	3
CHEM 1121	General Chemistry II Lab .....	1
CHEM 2010	Organic Chemistry I .....	3
CHEM 2011	Organic Chemistry I Lab .....	1
CHEM 2020	Organic Chemistry II .....	3
CHEM 2021	Organic Chemistry II Lab .....	1
PHYS 2010/2011	General Physics I w/Lab .....	4
<b>Total Credit Hours</b>		<b>61</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- Completion of above courses satisfies the requirements for the A.S. degree. Students should consider taking PHYS 2020-2021 to assure transfer sequence to senior institution.

## PRE-OCCUPATIONAL THERAPY

Designed for the student who plans to apply for admission to the occupational therapy program at the University of Tennessee, Memphis, Center for Health Sciences. A minimum of 90 hours of college level course work is required prior to admission.

**Degree: Associate of Science**

**Emphasis: Pre-Occupational Therapy**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		
Approved Literature elective <sup>1</sup> .....		
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology .....	3
PSYC 2310	Abnormal Psychology .....	3
Mathematics		
MATH 1530	Probability and Statistics .....	3
Natural Science <sup>3</sup>		
BIOL 1010	General Biology I .....	3
BIOL 1011	General Biology I Lab .....	1
BIOL 1020	General Biology II .....	3
BIOL 1021	General Biology II Lab .....	1
or		
BIOL 1110	Organization/Function of Cell .....	3
BIOL 1111	Organization/Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
CHEM 1110	General Chemistry I .....	3
CHEM 1111	General Chemistry I Lab .....	1
PHYS 2010/2011	General Physics I w/Lab .....	4
BIOL 2010	Human Anatomy & Physiology I .....	3
BIOL 2011	Human Anatomy & Physiology I Lab .....	1
BIOL 2020	Human Anatomy & Physiology II .....	3
BIOL 2021	Human Anatomy & Physiology II Lab .....	1
PSYC 2420	Developmental Psychology .....	3
<b>Total Credit Hours</b>		<b>60</b>

Completion of above courses satisfies the requirements for the A.S. degree.

The following courses may be required prior to entry into the Pre-Occupational Therapy program at the senior institution and can be taken at Walters State.

SOCI Elective <sup>3</sup> .....	3
PHED Elective <sup>3</sup> .....	1
Computer Science Elective <sup>3</sup> .....	3

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

Pre-professional admission requirements vary with degree granting institutions. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirement does not assure admission into a health science program.

## PRE-OPTOMETRY

Designed to prepare students for their first two years of a three-year pre-optometric program. At least one additional year of course work at a senior institution will be required before admission to an optometry school.

### Degree: Associate of Science

#### Emphasis: Pre-Optometry

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		3
PSYC 1310	Introduction to Psychology.....	3
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
BIOL 1110	Organization/Function of Cell.....	3
BIOL 1111	Organization/Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab.....	1
<b>Area of Emphasis Requirements (20 hours)</b>		
CHEM 1110	General Chemistry I .....	3
CHEM 1111	General Chemistry I Lab.....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab .....	1
CHEM 2010	Organic Chemistry I.....	3
CHEM 2011	Organic Chemistry I Lab .....	1
CHEM 2020	Organic Chemistry II.....	3
CHEM 2021	Organic Chemistry II Lab .....	1
BIOL 2510	Introduction to Microbiology .....	3
BIOL 2511	Introduction to Microbiology Lab.....	1
<b>Total Credit Hours</b>		<b>61</b>

Completion of the above courses satisfies requirements for the A.S. degree. The following will be required prior to entry into a college of optometry and can be taken at Walters State:

MATH 1910	Calculus I.....	4
PHYS 2010/2011	General Physics I w/Lab.....	4
PHYS 2020/2021	General Physics II w/Lab .....	4

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

Pre-professional admission requirements vary with degree granting institutions. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirement does not assure admission into a health science program.

## PRE-PHARMACY

Designed to prepare students for entrance to a pharmacy school. The Doctor of Pharmacy degree requires four additional years of study. Students should be fully aware of the admission requirements of the schools to which they intend to apply. Students should obtain the catalogs of those institutions for admission requirements for pharmacy schools of interest and consult their Walters State advisors.

### Degree: Associate of Science

#### Emphasis: Pre-Pharmacy

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education elective <sup>1</sup> .....		3
ECON 2110	Principles of Economics I .....	4
Mathematics		
MATH 1830	Calculus A .....	3
Natural Science		
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II.....	3
CHEM 1121	General Chemistry II Lab.....	1
<b>Area of Emphasis Requirements (20 hours)</b>		
CHEM 2010	Organic Chemistry I .....	3
CHEM 2011	Organic Chemistry I Lab.....	1
CHEM 2020	Organic Chemistry II.....	3
CHEM 2021	Organic Chemistry II Lab .....	1
PHYS 2010/2011	General Physics I w/Lab .....	4
Choose from the following biology sequences: <sup>3</sup> .....		8
BIOL 1110	Organization/Function of Cell	
BIOL 1111	Organization/Function of Cell Lab	
BIOL 1120	Biodiversity	
BIOL 1121	Biodiversity Lab	
<b>or</b>		
BIOL 1010	General Biology I	
BIOL 1011	General Biology I Lab	
BIOL 1020	General Biology II	
BIOL 1021	General Biology II Lab	
<b>Total Credit Hours</b>		<b>62</b>

Completion of the above courses satisfies requirements for the A.S. degree. The following course will be required prior to entry into the professional program and can be taken at Walters State:

BIOL 2230/2231	Introduction to Microbiology/Lab .....	4
MATH 1530	Probability and Statistics .....	3
PHYS 2020/2021	General Physics II/Lab .....	4

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## PRE-PHYSICAL THERAPY

Designed to prepare students for the first two years of a three or four year pre-physical therapy program. A baccalaureate degree will be required before admission to the Doctor of Physical Therapy program. Students should check with an advisor for specific admission requirements at the institution of interest.

### Degree: Associate of Science

#### Emphasis: Pre-Physical Therapy

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology .....	3
PSYC 2420	Developmental Psychology .....	3
Mathematics		
MATH 1530	Probability and Statistics .....	3
Natural Science <sup>3</sup>		
BIOL 1010	General Biology I .....	3
BIOL 1011	General Biology I Lab .....	1
BIOL 1020	General Biology II .....	3
BIOL 1021	General Biology II Lab .....	1
or		
BIOL 1110	Organization/Function of Cell .....	3
BIOL 1111	Organization/Function of Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
CHEM 1110	General Chemistry I .....	3
CHEM 1111	General Chemistry I Lab .....	1
CHEM 1120	General Chemistry II .....	3
CHEM 1121	General Chemistry II Lab .....	1
BIOL 2010	Human Anatomy & Physiology I .....	3
BIOL 2011	Human Anatomy & Physiology I Lab .....	1
BIOL 2020	Human Anatomy & Physiology II .....	3
BIOL 2021	Human Anatomy & Physiology II Lab .....	1
CPSC 1100	Using Information Technology .....	3
<b>Total Credit Hours</b>		<b>60</b>

Completion of the above courses satisfies requirements for the A.S. degree. The following will be required prior to entry into a Physical Therapy program and can be taken at Walters State:

MATH 1720	Pre-Calculus (Trigonometry) .....	3
PHYS 2010/2011	General Physics I w/Lab .....	4
PHYS 2020/2021	General Physics II w/Lab .....	4

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## PRE-RADIOGRAPHY

Designed for the student who plans to apply for admission to the radiography program at ETSU. Two years of course work at Walters State plus two years of study in the radiography program are required.

### Degree: Associate of Science

#### Emphasis: Pre-Radiography

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History		
HIST 2010	American History I .....	3
HIST 2020	American History II .....	3
Behavioral/Social Sciences		
PSYC 1310	Introduction to Psychology .....	3
SOCI 1020	Introduction to Sociology .....	3
Mathematics		
MATH 1530	Probability and Statistics .....	3
Natural Science		
BIOL 2010	Human Anatomy & Physiology I .....	3
BIOL 2011	Human Anatomy & Physiology I Lab .....	1
BIOL 2020	Human Anatomy & Physiology II .....	3
BIOL 2021	Human Anatomy & Physiology II Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
CHEM 1010	Introduction to Chemistry .....	3
CHEM 1011	Introduction to Chemistry Lab .....	1
BIOL 2510	Introduction to Microbiology .....	3
BIOL 2511	Introduction to Microbiology Lab .....	1
CPSC 1100	Using Information Technology .....	3
HLTH 2310	Safety and First Aid .....	3
ELECTIVES <sup>2</sup> .....		5
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

Pre-professional admission requirements vary with degree granting institutions. Selection for admission to a program is competitive and is made by the admissions committee of the respective program at the degree granting institution. Meeting the minimum requirement does not assure admission into a health science program.

## PRE-VETERINARY MEDICINE

Designed for students wishing to pursue the Arts and Science degree in Pre-Veterinary Medicine. Students should be fully aware of the curriculum of the institution to which they plan to transfer and follow close advisement.

### Degree: Associate of Science

### Emphasis: Pre-Veterinary Medicine

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II.....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/Social Sciences		
Approved Behavioral/Social Science General Education electives <sup>1</sup> .....		6
Mathematics		
MATH 1710	Pre-Calculus (Algebra).....	3
Natural Science		
BIOL 1110	Organization/Function of Cell .....	3
BIOL 1111	Organization/Function of Cell Lab.....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
MATH 1720	Pre-Calculus (Trigonometry) .....	3
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab.....	1
CHEM 1120	General Chemistry II .....	3
CHEM 1121	General Chemistry II Lab.....	1
Choose from the following chemistry or physics sequences: <sup>3</sup> .....		8
CHEM 2010	Organic Chemistry I	
CHEM 2011	Organic Chemistry I Lab	
CHEM 2020	Organic Chemistry II	
CHEM 2021	Organic Chemistry II Lab	
<b>or</b>		
PHYS 2010/2011	General Physics I w/Lab	
PHYS 2020/2021	General Physics II w/Lab	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

# DIVISION OF PUBLIC SAFETY

## Purpose

Provide educational services to individuals desiring to enter the public safety career field, skills training for those currently employed and appropriate academic course work to those who plan to transfer to a four-year institution of higher education.

## Department of Criminal Justice

### Purpose

The Criminal Justice Department provides educational services to students seeking careers in the public safety field. The department provides two degrees, Associate of Science in Criminal Justice and Associate of Science in Law Enforcement.

### Degree: Associate of Science

#### Emphasis: Criminal Justice, University Parallel

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Intro to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education electives <sup>1</sup> .....		6
Approved Literature General Education elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/ Social Sciences		
PSYC 1310	Introduction to Psychology .....	3
SOCI 1020	General Sociology .....	3
or		
SOCI 2020	Social Problems and Human Values .....	3
Mathematics		
Approved Mathematics General Education elective <sup>1</sup> .....		3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		8
<b>Area of Emphasis Requirements (19 hours)</b>		
CRJT 1010	Overview Of Criminal Justice.....	3
CRJT 1230	Domestic Terrorism.....	3
CRJT 1510	Criminal Law and Procedures.....	3
CRJT 2140	Criminal Investigation .....	3
CRJT 2980	Current Issues of Public Safety.....	2
CPSC 1100	Using Information Technology.....	3
PHED 1140	Fitness for Life.....	2
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> See senior institution for history requirements.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.
- Students who plan to transfer to the University of Tennessee or Carson-Newman, please see the head of the Sociology Department in the Behavioral/Social Science Division.

## PUBLIC SAFETY

The Associate of Applied Science degree program in Public Safety provides educational opportunities for individuals desiring to enter and those presently working in the field of public safety. The degree program contains two specialized concentrations of study: 1) Fire Protection and 2) Law Enforcement. Each of the concentrations has a common core of course work designed to provide a fundamental background in general education and specific course work in public safety.

### Degree: Associate of Applied Science

#### Emphasis: Public Safety

#### Concentration: Law Enforcement

Course No.	Course Title	Credit Hours
<b>General Education Requirements (19 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Intro to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved Humanities General Education elective <sup>1</sup> .....		3
Behavioral/ Social Sciences		
Approved Behavioral/Social Science General Education elective <sup>1</sup> .....		3
Mathematics		
Approved Mathematics General Education elective <sup>1</sup> .....		3
Natural Science		
Approved Natural Science w/Lab General Education elective <sup>1</sup> .....		4
<b>Area of Emphasis Requirements (41 hours)</b>		
CRJT 1010	Overview of Criminal Justice .....	3
CRJT 1260	Report Writing .....	3
CRJT 1320	Criminal Justice Work with Juveniles .....	3
CRJT 1230	Domestic Terrorism.....	3
CRJT 1510	Criminal Law and Procedures.....	3
CRJT 2130	Crime Scene Specialist .....	3
CRJT 2140	Criminal Investigation .....	3
CRJT 2280	Domestic Violence .....	3
CRJT 2990	Special Topics in CRJT .....	3
EMTB 1080	Critical Incident Control .....	3
CPSC 1100	Using Information Technology .....	3
PHED 1140	Fitness for Life.....	2
CRJT Electives <sup>2</sup> .....		6
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- Developmental education courses must be taken every semester until completed.

**PUBLIC SAFETY**

This course of study is designed primarily for students who have completed the fire department's or the state of Tennessee Fire School's training program taught by state certified instructors and who wish to continue their education at Walters State. *Students must meet with the division dean of Public Safety prior to enrolling in this program.*

**Degree: Associate of Applied Science**

**Emphasis: Public Safety**

**Concentration: Fire Protection**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (19 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Intro to Speech Communication .....	3
Humanities and/or Fine Arts		
	Approved Humanities General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science General Education elective <sup>1</sup> .....	3
Mathematics		
	Approved Mathematics General Education elective <sup>1</sup> .....	3
Natural Science		
CHEM 1010	Introductory Chemistry.....	3
CHEM 1011	Introductory Chemistry Lab.....	1
<b>Area of Emphasis Requirements (41 hours)</b>		
FIPT <sup>2</sup>	Transfer Fire classes .....	24
EMTB 1040	First Responder.....	4
CRJT 1260	Report Writing .....	3
CPSC 1100	Using Information Technology .....	3
ELECTIVE <sup>3</sup>	EMTB/FIPT .....	4
ELECTIVE <sup>3</sup>	CRJT .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> Students should contact the division dean.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- Developmental education courses must be taken every semester until completed.

**TECHNICAL CERTIFICATE**

The Regional Law Enforcement Academy provides educational services to individuals desiring a career in public safety. These services will be provided through an eight-week basic law enforcement academy and a forty hour in-service program needed for the on-duty officers to maintain their certification.

The Basic Law Enforcement Officer Education technical certificate prepares students to meet standards for law enforcement officers established by the Tennessee Peace Officer Standards and Training Commission (POST). Credit earned for successful completion of this program may be applied toward the Associate of Applied Science degree in Public Safety, Law Enforcement concentration. Approval of the dean of the Public Safety program is required for admission.

**Emphasis: Basic Law Enforcement Officer Education**

Course No.	Course Title	Credit Hours
CRJT 1030	Basic Firearms Education.....	3
CRJT 1130	Defensive and Tactical Driving.....	3
CRJT 1230	Domestic Terrorism.....	3
CRJT 1510	Criminal Law and Procedures.....	3
CRJT 1720	Physical Defense Tactics.....	3
CRJT 2930	Basic Law Enforcement Procedures and Techniques.....	3
EMTB 1080	Critical Incident Control.....	3
PHED 1140	Fitness for Life.....	2

**TOTAL CREDIT HOURS 23**

**GENERAL ADMISSION REQUIREMENTS**

**Any student desiring to attend the Basic Law Enforcement academy must:**

1. Apply, meet admission requirements and be accepted by Walters State Community College.
2. Be currently employed by a law enforcement agency or be 20 years of age or older.
3. Complete the academy application and provide military paperwork if relevant.
4. Complete physical and psychological examinations required and provide proof of immunizations.
5. Provide documentation of all schools attended (high school and above) including copies of graduation or attendance. Provide documentation of completed GED and partial high school transcript.
6. Provide a color photo (passport size; no hat) and a background check through the Tennessee Bureau of Investigation.
7. Submit the above documentation by designated deadlines.

**Police In-Service**

The Tennessee Peace Officers Standards and Training Commission requires active duty law enforcement officers to participate in 40 hours of training annually in order to maintain Commission certification as required by TCA38-8-111. Law enforcement officers may exceed this requirement by successfully completing any three hour CRJT law enforcement course.



## TECHNICAL CERTIFICATE

### Emphasis: Emergency Medical Technician Basic

The Center for Emergency Services provides educational services to individuals desiring to enter the emergency service field. Basic and advanced skills training accompany didactic material preparing individuals for entry level practice as a First Responder, Emergency Medical Technician or Paramedic. Pre-hospital professionals are provided continuing education opportunities for maintenance of their license.

#### Admission Requirements

A prospective student seeking admission to the Basic Emergency Medical Technician (EMTB) Program must complete the following procedures according to State of Tennessee, Department of Emergency Medical Services, and Walters State Community College policies.

1. Meet with an advisor from the division of Public Safety, Center for Emergency Service Programs department prior to registering and obtain clearance to register.
2. Students who have had no prior experience in emergency services are strongly encouraged to complete a First Responder class (EMTB 1040), as an introduction to the Emergency Medical Service programs.
3. Provide proof of and maintain non-cancelable medical malpractice liability insurance coverage in amount of \$1,000,000/3,000,000 aggregate for the entire length of the program.
4. Submit evidence of an acceptable physical examination, provided by a physician, which has been performed within the last six months as it relates to the requirements of the profession.
5. Must be 18 years of age.
6. Meet all other admission requirements specific to the program. Also, any state and National Registry of Emergency Medical Technician requirements must be met.

#### Retention/Progression Policies

To remain in good standing, once admitted, a student must maintain the following standards or be dismissed from the program:

1. Adhere to all Walters State Community College, Center for Emergency Service Programs Department and Clinical Affiliate policy.
2. Earn and maintain a grade of "C" or better in the EMTB program. Students' grades will be evaluated during each semester by the department faculty.
3. Satisfactorily complete the theory, clinical and/or skills requirements. A grade of "D" or "F" in theory will result in a grade of "F" for the entire course. A "not yet competent" in clinical will result in a grade of "F" for the entire course.
4. Exhibit safe clinical behavior.
5. Demonstrate and maintain professional, ethical and legal conduct.
6. Maintain professional, ethical and legal conduct.
7. Maintain CPR certification.
8. Submit to a drug test if requested by the dean of Public Safety, director of Center of Emergency Service Program or Emergency Medical Technician Program director at any time during the program. A positive drug test is grounds for immediate dismissal.

#### Readmission Policies

1. A student may be considered for readmission to the Basic Emergency Medical Technician program if the following criteria are met:
  - a. Readmission to an emergency medical technician program is contingent upon the availability of space.
  - b. The applicant must complete an application for readmission.
2. Only one readmission is permitted.

#### Health and Physical Considerations for EMTB Students

The Center for Emergency Service Programs Department and the college strive to provide as much as possible, a reasonably safe environment for its EMTB students and their patients. During the course of the program a student may be required to demonstrate physical and/or

emotional fitness to meet the essential requirements of the program. Such essential requirements may include, but are not limited to, freedom from communicable diseases, the ability to perform certain physical tasks, and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, so as not to discriminate against any individual on the basis of disability.

The following core performance standards are adopted and these standards should be used to assist the student in determining whether accommodations or modifications are necessary. The standards are:

1. Critical thinking ability sufficient for clinical judgment.
2. Interpersonal abilities sufficient to effectively interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
3. Communication abilities sufficient for interaction with others in verbal and written form.
4. Physical abilities sufficient to move from area or environment to another and maneuver in small spaces.
5. Gross and fine motor abilities sufficient to provide safe and effective prehospital care.
6. Auditory abilities sufficient to monitor and assess health needs.
7. Visual ability sufficient for observation and assessment necessary in prehospital care.
8. Tactile ability sufficient for physical assessment.

If a student believes that one or more of the standards cannot be met without accommodation or modification, the Center for Emergency Service Programs will determine whether or not accommodations or modifications can be reasonably made. A student should contact the director of the Center for Emergency Service Programs for further assistance.

#### Legal Limitation for Licensure

Students who successfully complete requirements for the Basic Emergency Medical Technician technical certificate are eligible to take the National Registry Emergency Medical Technician Examination licensure exam to become an Emergency Medical Technician. However, the Division of EMS may deem an individual who successfully completes the EMTB program ineligible for licensure in the State of Tennessee because of an individual's violation of the EMS rules and regulations.

OPTION 1		
Course No.	Course Title	Credit Hours
EMTB 1010	Basic Emergency Medical Technician I* ..... These 8 credit hours include: Preparation for EMTB Airway Management Patient Assessment Medical/Behavioral / OB/GYN Clinical Practicum I	8
EMTB 1020	Basic Emergency Medical Technician II..... These 8 credit hours include: Intravenous Initiation Therapy EMS Operations Basic Trauma Assessment Clinical Practicum II	8

\*EMTB 1040 (First Responder) is a prerequisite.

OPTION 2		
Course No.	Course Title	Credit Hours
EMTB 1050	Basic Emergency Medical Technician I and II* ..... These 16 credit hours include: Preparation for EMTB Airway Management Patient Assessment Medical/Behavioral / OB/GYN Intravenous Initiation Therapy EMS Operations Clinical Practicum I Basic Trauma Assessment Clinical Practicum II	16

\*EMTB 1040 (First Responder) is a prerequisite.

## TECHNICAL CERTIFICATE

### Emphasis: Emergency Medical Technician - Paramedic

#### Admission Requirements

A prospective student seeking admission to the Emergency Medical Technician - Paramedic program must complete the following procedures according to State of Tennessee, Department of Emergency Medical Services, and Walters State Community College policies. Students who successfully complete requirements for the Emergency Medical Technician - Paramedic technical certificate are eligible to take the National Registry Paramedic Examination.

The following criteria must be met in order for an applicant to be considered for admission to the Paramedic Training Program:

1. **Licensure:** Applicants must be currently licensed as Emergency Medical Technicians in the State of Tennessee.
2. **Experience:** One year full-time and/or two years part-time EMS experience as a EMT-IV Technician is preferred.
3. **Application:** Complete the WSCC Application for Admission/Readmission and submit it to the college's Office of Admissions and Records.
4. **Transcripts:** All official, notarized high school, college or trade school transcripts must be received. The student's academic performance in the EMT and/or EMT IV course along with the student's GPA will be factors used in determining his/her acceptance into the program.
5. **Documentation:** All documentation and evaluations, except for Paramedic entrance exam scores, must be completed and submitted to Paramedic Program.
6. **Interview:** All applicants must be interviewed by the Paramedic Advisory Board. Date to be announced after applications have been received by program.
7. **Prerequisite:** Applicants must have completed all Developmental Education courses with a passing grade.
8. **Program Application:** Applicant must complete application process specific to the program.

#### Application Process

A prospective student seeking admission to the Emergency Medical Technician - Paramedic Program must complete the following procedures according to the State of Tennessee, Division of Emergency Medical Services and Walters State guidelines.

1. Complete an Application for Admissions/Readmission form and remit required fees to the WSCC Admissions Office. **Fees do not apply if you have ever attended WSCC.** If applications are needed call the office of Admission at 1-800-225-4770. For admission requirements refer to the WSCC Catalog.
2. **If you are 21 years of age or older and have not had prior college-level English or Math classes, you must take the COMPASS test prior to registration.** If the results of the COMPASS test show you need to take remedial classes, you then must take these classes prior to admission into the WSCC Paramedia Program. **If you are under 21 years of age, the ACT test is required.** After receiving your ACT scores, contact the department of Counseling and Testing for evaluation of your scores (423-585-6800). The testing dates for the COMPASS test are available from the office of Admissions and Records. Make arrangements to test during one of the listed sessions on the testing calendar found in the *Registration Information Booklet*. If you have any questions regarding the ACT test, call 1-800-225-4770. You must submit your COMPASS test results to the Paramedic Program. Applicant must schedule COMPASS test well in advance of this date. If this information is not available prior to interviews you will not be interviewed for entrance into the program. For degree requirements refer to the WSCC Catalog.

3. Submit an official copy of your high school transcript or GED certification to the office of Admissions and Records.
4. Submit an official copy of all college transcripts to the office of Admissions and Records if previous college credit has been earned.
5. Submit application and other documents specific to the Paramedic Program.
6. Be currently licensed as an Emergency Medical Technician in the State of Tennessee. You must submit a copy of a current EMT card to the Paramedic Program.
7. You should have completed a CPR course that includes one-person, two-person, infant and child CPR. A copy of the CPR certificate must be submitted to the Paramedic Program.
8. Submit written evidence, on appropriate form (supplied in packet), of a physical examination within the past six months showing you to be in good physical and mental health and that you possess no physical handicaps or disabilities which would impede your ability to fulfill the functions and responsibilities of a paramedic.
9. Submit forms and records of immunization noting dates as required by the clinical program. HBV vaccines series must be completed prior to starting clinical rotations and proof of vaccine given to Clinical Program Director.
10. Submit a letter of recommendation and endorsement which indicates amount of experience, strengths and weaknesses, attitude, maturity, and professionalism, from your employer to the Paramedic Program Director.
11. Submit two letters of recommendation and endorsement to the Paramedic Program: one from an active Emergency Department Physician, and another from an active Emergency Department Registered Nurse. These letters should inform us about your strengths and weaknesses, attitude, maturity, and professionalism.
12. Applicants must complete the Paramedic Entrance Exam for the State of Tennessee with an acceptable score. This exam will only be given at the dates, times and locations listed in the application. **If you fail to take the test at these scheduled times, you will not be eligible for acceptance into this paramedic program.**
13. Applicant must take a psychological examination given by a licensed psychological examiner named by Walters State. The report must state emotional stability and psychological fitness to perform the duties of a paramedic. This report should be returned to the Paramedic Program. **It is the applicant's responsibility to pay the \$110 testing fee at the time of testing. Only a money order or cashier's check, payable to Mountain View Psychological Center (or MVP) will be accepted. You will not be allowed to take the exam without prior payment. Schedule your exam date by returning the enclosed form and confirm by calling Sondra Humphreys at 423-585-2672. This will be scheduled on first come first serve basis.**
14. The screening process includes a personal interview with the WSCC EMT-Paramedic Advisory Board. The applicant is rated by each committee member on appearance, motivation, maturity, professionalism, oral and written communication skills, confidence, experience, and general knowledge of the profession. You will be scheduled a day and time in which you are to appear before the board. The student's academic performance in the EMT and/or EMT IV courses along with the student's GPA will be factors used in determining his/her acceptance into the program. **You must maintain a 2.0 cumulative GPA to graduate from the program. Due to time constraints, you must make arrangements to appear at that scheduled time because it will not be adjusted. You will be notified of the date and time by letter.**

15. Scores are awarded in three areas: the interview, psychological exam, and paramedic entrance exam. An overall minimum score of 2.5 is required by EMS regulation for entrance into the paramedic program. The program may set a higher standard for acceptance but may not set it less than 2.5.
16. Final student recommendation is by the WSCCEMT-Paramedic Advisory Board. You will be notified of the decision regarding your acceptance by letter.

**Degree: Associate of Applied Science**

**Emphasis: Paramedic**

Course No.	Course Title	Credit Hours
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**Prerequisites**

EMTB 1040*	First Responder.....	4
EMTB 1010/1020	Basic Emergency Medical Technician I & II .....	16
<b>or</b>		
EMTB 1050	Emergency Medical Technician I & II .....	16

\*(This prerequisite may be waived by the dean of the division of Public Safety based upon specific recommendation of the CESP Director or equivalent course substitution.)

**General Education Requirements (19 hours)**

<b>Communication</b>		
ENGL 1010	Composition I .....	3
SPCH 2010	Intro to Speech Communication .....	3
<b>Humanities and/or Fine Arts</b>		
	Approved Humanities General Education elective <sup>1</sup> .....	3
<b>Behavioral/ Social Sciences</b>		
	Approved Behavioral/Social Science General Education elective <sup>1</sup> .....	3
<b>Mathematics</b>		
	Approved Mathematics General Education elective <sup>1</sup> .....	3
<b>Natural Science</b>		
BIOL 2010	Human Anatomy & Physiology I .....	3
BIOL 2011	Human Anatomy & Physiology I Lab.....	1

**Area of Emphasis Requirements (41 hours)**

PARA 2010	Paramedic Roles and Responsibilities.....	1
PARA 2020	Human Systems and Patient Assessment.....	4
PARA 2030	Shock Trauma <sup>3</sup>	
PARA 2040	Medical Emergencies.....	3
PARA 2050	Behavior Crises and Stress .....	1
PARA 2060	Obstetrics and Pediatrics.....	2
PARA 2070	Clinical Practicum I.....	1
PARA 2110	Cardiovascular System .....	5
PARA 2120	Dysrhythmia Recognition and Treatment .....	3
PARA 2130	General Pharmacology and Fluid Therapy .....	2
PARA 2170	Clinical Practicum II.....	3
PARA 2220	Advanced Cardiac Care .....	1
PARA 2230	Advanced Trauma Care .....	1
PARA 2240	Field Practicum .....	2
PARA 2250	Advanced Pediatric Care .....	3
PARA 2270	Clinical Practicum III .....	2
PARA 2290	Seminar in Rural Emergency Medical Services .....	1
CPSC 1100	Using Information Technology .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- Developmental education courses must be taken every semester until completed.

Course No.	Course Title	Credit Hours
PARA 2010	Paramedic Roles and Responsibilities.....	1
PARA 2020	Human Systems & Patient Assessment .....	4
PARA 2030	Shock and Trauma .....	3
PARA 2040	Medical Emergencies .....	3
PARA 2050	Behavioral Crises and Stress.....	1
PARA 2060	Obstetrics and Pediatrics.....	2
PARA 2070	Clinical Practicum I.....	1
PARA 2110	Cardiovascular System .....	5
PARA 2120	Dysrhythmia Recognition and Treatment .....	3
PARA 2130	General Pharmacology and Fluid Therapy .....	2
PARA 2170	Clinical Practicum II.....	3
PARA 2220	Advanced Cardiac Care .....	1
PARA 2230	Advanced Trauma Care .....	1
PARA 2240	Field Practicum .....	2
PARA 2250	Advanced Pediatric Care .....	3
PARA 2270	Clinical Practicum III .....	2
PARA 2290	Seminar in Rural Emergency Medical Services .....	1
<b>TOTAL CREDIT HOURS</b>		<b>38</b>

# DIVISION OF TECHNICAL EDUCATION

## Purpose

The Technical Education Division provides a high quality education for students who wish to enter careers in business, industry, or agriculture. The division provides support for students in their pursuit of A.A.S. degrees, technical program certificates, and A.S. degrees designed to transfer to four-year institutions. In addition, the division assists business and industry by acting as a resource to promote technology transfer and innovative solutions to problems associated with agriculture, information technology, or manufacturing.

## GENERAL TECHNOLOGY

This course of study is designed for the diploma completers from the Tennessee Technology Centers. Students must meet with a program advisor prior to beginning this course of study. Up to 30 hours of college credit may be granted toward the Associate of Applied Science-General Technology.

### Degree: Associate of Applied Science

#### Concentration: General Technology

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
	Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science Elective <sup>1</sup> .....	3
Natural Science/Mathematics		
PHYS 2010/2011	General Physics I w/Lab .....	4
MATH 1720	Pre-Calculus.....	3
<b>Area of Emphasis Requirements (44 hours)</b>		
ITMF 1010	Operations Management I .....	3
ITDD 1010/1011	Engineering Graphics I w/Lab .....	4
ITEE 1010	Electrical Applications.....	3
ITEE 1011	Electrical Applications Lab .....	1
ITMF 2610	Occupational Safety .....	3
TRANSFER	Transition course work up to 30 hours .....	30
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.

## Department of Agriculture

### Purpose

The Agriculture Department provides high quality education and training for students who wish to enter fields related to animal science, crop production, turfgrass management, or greenhouse management.

## AGRICULTURE

Students planning on transferring to a four-year college/university should determine as soon as possible the type of agriculture degree desired at the baccalaureate level. The courses listed below provide the student with core and prerequisite subject areas necessary to enroll in upper division courses in agriculture at senior institutions with degree programs in:

- Agricultural Economics
- Agricultural Education
- Animal Science
- Food Science and Technology
- Forestry, Wildlife and Fisheries
- Plant and Soil Science
- Ornamental Horticulture and Landscape Design

### Degree: Associate of Science

#### Emphasis: Agriculture

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II 3 .....	3
SPCH 2010	Introduction to Speech Communication .....	3
Humanities and/or Fine Arts		
PHIL 1030	Human Nature and Life .....	3
	Approved General Education Humanities elective <sup>1</sup> .....	3
	Approved General Education Literature elective <sup>1</sup> .....	3
History <sup>2</sup>		
	Approved History General Education electives <sup>1</sup> .....	6
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science electives <sup>1</sup> .....	6
Mathematics		
	Approved Mathematics General Education elective <sup>1</sup> .....	3
Natural Science		
BIOL 1010	General Biology I.....	3
BIOL 1011	General Biology I Lab .....	1
BIOL 1020	General Biology II.....	3
BIOL 1021	General Biology II Lab .....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
AGRM 1010	Perspectives in Agriculture .....	3
AGRM 1110/1111	Fundamentals of Animal Science w/Lab.....	4
AGRM 1210/1211	Introduction to Crop Science w/Lab .....	4
AGRM 2030/2031	Soil Science w/Lab .....	4
ELECTIVE <sup>3</sup>	Agriculture Elective.....	4
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## ANIMAL SCIENCE – PRE-VETERINARY MEDICINE

The Animal Science – Pre-Veterinary Medicine program is designed for students desiring a degree in Animal Science prior to entering a college of veterinary medicine or those students with a Veterinary Medicine degree who also desire a degree in Animal Science.

**Degree: Associate of Science**

**Emphasis: Animal Science – Pre-Veterinary Medicine**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (41 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
PHIL 1030	Human Nature and Life .....	3
Approved General Education Humanities elective <sup>1</sup> .....		3
Approved Literature elective <sup>1</sup> .....		3
History <sup>2</sup>		
Approved History electives <sup>1</sup> .....		6
Behavioral/ Social Sciences		
Approved Behavioral/Social Science electives <sup>1</sup> .....		6
Mathematics		
Approved Mathematics General Education elective <sup>1</sup> .....		3
Natural Science		
BIOL 1110	Organization & Function of the Cell .....	3
BIOL 1111	Organization and Function of the Cell Lab .....	1
BIOL 1120	Biodiversity .....	3
BIOL 1121	Biodiversity Lab.....	1
<b>Area of Emphasis Requirements (19 hours)</b>		
AGRM 1110/1111	Fundamentals of Animal Science w/Lab .....	4
AGRM 2030/2031	Soil Science w/Lab .....	4
AGRM 2140/2141	Farm Animal Health & Management Practices w/Lab .....	4
CHEM 1110	General Chemistry I.....	3
CHEM 1111	General Chemistry I Lab.....	1
ELECTIVE <sup>3</sup>	Agriculture Elective.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> See senior institution for history requirements.

<sup>3</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

**Degree: Associate of Applied Science**

**Emphasis: Management**

**Concentration: Agriculture Business**

Refer to page 71 for the Agriculture Business program.

## PRODUCTION HORTICULTURE – GREENHOUSE MANAGEMENT

The Greenhouse Management concentration emphasizes the production of greenhouse and landscape plants, interior and exterior landscape design, maintenance and establishment operations and related business and facilities management.

**Degree: Associate of Applied Science**

**Emphasis: Production Horticulture**

**Concentration: Greenhouse Management**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved General Education Humanities electives <sup>1</sup> .....		3
Behavioral/ Social Sciences		
Approved Behavioral/Social Science elective <sup>1</sup> .....		3
Mathematics		
MATH 1630	Finite Mathematics .....	3
Natural Science		
BIOL 2210	General Botany.....	3
BIOL 2211	General Botany Lab.....	1
<b>Area of Emphasis Requirements (44 hours)</b>		
AGRM 1410	Environmental Horticulture .....	3
AGRM 1440/1441	Interior Landscaping w/Lab .....	3
AGRM 1510/1511	Basic Landscape Plants w/Lab .....	4
AGRM 1520/1521	Supplemental Landscape/Herb. Plants w/Lab .....	3
AGRM 1710/1711	Agriculture Economics w/Lab.....	3
AGRM 2010/2011	Pests and Pesticides w/Lab .....	4
AGRM 2030/2031	Soil Science w/Lab.....	4
AGRM 2210/2211	Greenhouse Crop Production w/Lab .....	4
AGRM 2310/2311	Greenhouse Management w/Lab.....	3
AGRM 2460/2461	Turfgrass Management w/Lab .....	4
AGRM 2630/2631	Agricultural Microcomputer Applications w/Lab.....	3
AGRM 2910	Cooperative Seminar .....	3
ELECTIVE <sup>2</sup>	Agriculture Elective .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. **AGRM 2630/2631** satisfies the college's computer science requirement.
- Developmental education courses must be taken every semester until completed.

## PRODUCTION HORTICULTURE – GOLF COURSE AND TURFGRASS MANAGEMENT

The Golf Course and Turfgrass Management concentration emphasizes turfgrass management with special emphasis on golf courses, parks, lawns and other recreational related areas.

**Degree: Associate of Applied Science**

**Emphasis: Production Horticulture**

**Concentration: Golf Course and Turfgrass Management**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved General Education Humanities electives <sup>1</sup> .....		
Behavioral/ Social Sciences		
Approved Behavioral/Social Science elective <sup>1</sup> .....		
Mathematics		
MATH 1630	Finite Mathematics .....	3
Natural Science		
BIOL 2210	General Botany .....	3
BIOL 2211	General Botany Lab.....	1
<b>Area of Emphasis Requirements (44 hours)</b>		
AGRM 1410	Environmental Horticulture .....	3
AGRM 1510/1511	Basic Landscape Plants w/Lab .....	4
AGRM 1610/1611	Turf Power Equipment w/Lab .....	3
AGRM 1620/1621	Irrigation Systems and Drainage w/Lab.....	3
AGRM 1710/1711	Agriculture Economics w/Lab.....	3
AGRM 2010/2011	Pests and Pesticides w/Lab.....	4
AGRM 2030/2031	Soil Science w/Lab.....	4
AGRM 2440/2441	Landscape Installation and Maintenance w/Lab.....	3
AGRM 2460/2461	Turfgrass Management w/Lab.....	4
AGRM 2470/2471	Professional Turfgrass Management w/Lab .....	3
AGRM 2480/2481	Golf Course Organization and Management w/Lab .....	4
AGRM 2630/2631	Agricultural Microcomputer Applications w/Lab.....	3
AGRM 2910	Cooperative Seminar .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. **AGRM 2630/2631** satisfies the college's computer science requirement.
- Developmental education courses must be taken every semester until completed.

## COMPUTER AND INFORMATION SCIENCE

The Computer and Information Science program prepares individuals for employment as computer professionals and/or the successful transfer to a baccalaureate program at a four-year institution. The program emphasizes the development of competence in the use of the computer and the various information technologies.

### Department of Computer Science

#### Purpose

The Computer Science department prepares individuals for employment as computer professionals and/or the successful transfer to a baccalaureate program at four-year institutions. The program emphasizes the development of competence in the use of the computer and the various information technologies.

**Degree: Associate of Science**

**Emphasis: Computer Science**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (42 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
ENGL 1020	Composition II .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved General Education Fine Arts elective <sup>1</sup> .....		
Approved General Education Humanities elective <sup>1</sup> .....		
ENGL 2410	Western World Literature I.....	3
History		
HIST 2010	American History I.....	3
HIST 2020	American History II .....	3
Behavioral/Social Sciences		
ECON 2110	Principles of Economics I .....	4
Approved Behavioral/ Social Science General Education elective <sup>1</sup> .....		
Mathematics		
MATH 1530	Probability and Statistics.....	3
Natural Science		
Approved Natural Science w/Lab General Education electives <sup>1</sup> .....		
<b>Area of Emphasis Requirements (18 hours)</b>		
CPSC 1230/1231	Introduction to Programming w/Lab.....	3
CPSC 1350/1351	Introduction to Computer Science I w/Lab.....	4
CPSC 1530/1531	Introduction to Computer Science II w/Lab.....	4
CPSC 2010/2011	Assembly Language w/Lab .....	4
ACCT 1410	Small Business Record Keeping.....	3
<b>or</b>		
ACCT 2210	Principles of Accounting I .....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- High school deficiencies must be removed prior to graduation; developmental education courses must be taken every semester until completed.

## REGENTS ON-LINE DEGREE PROGRAM

**Degree: Associate of Applied Science**

**Emphasis: Professional Studies**

**Concentration: Information Technology**

For program information:

<http://www.tn.regentsdegrees.org/campus/wsc/>

## COMPUTER AND INFORMATION SCIENCE/ COMPUTER SCIENCE

The Computer and Information Science Technology program emphasizes the development of data processing skills needed by professional analysts and programmers. The training will qualify students to assume positions with business and industry employing computer technology for the resolution of data processing problems. Special emphasis will be placed on programming skills, structured design concepts, data base management concepts, system skills and system design and analysis. Graduate requirement: minimum 2.0 GPA in CPSC courses. Also offered under this program is a concentration in computer networking.

### Degree: Associate of Applied Science Emphasis: Information Technology

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved General Education Humanities/Fine Arts elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
ECON 2110	Principles of Economics I .....	4
Mathematics		
MATH 1530	Probability and Statistics .....	3
<b>Area of Emphasis Requirements (30 hours)</b>		
ACCT 2110	Introductory Accounting I .....	3
MGMT 2210	Principles of Management and Quality Improvement.....	3
CPSC 1100	Using Information Technology .....	3
CPSC 1115	Microsoft Word .....	3
CPSC 1240	Microcomputer Business Applications .....	3
CPSC 1280	Database Applications.....	3
CPSC 1290/1291	PowerPoint w/Lab .....	3
CPSC 2820/2821	Cisco Network Fundamentals w/Lab .....	3
INTC 1060/1061	Web Design / Development w/Lab .....	3
INTC 2010/2011	Microsoft Windows Desktop Operating System w/Lab .....	3

#### Additional electives<sup>2</sup> - Choose 14 credits from the following:

With advisor approval student will select 14 hours from the following:		
CPSC 1230/1231	Introduction to Programming .....	3
CPSC 2770/2772	Database Management Systems w/Lab .....	4
INTC 1050/1051	Computer Graphics w/Lab .....	3
INTC 1070/1071	Authoring Multimedia w/Lab.....	3
INTC 1085	Hardware Support .....	4
INTC 1090/1091	Advanced Web Design and Development w/Lab ..	3
INTC 2000/2001	JAVA w/Lab .....	4
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer science requirement.
- Developmental education courses must be taken every semester until completed.

### Degree: Associate of Applied Science Emphasis: Computer and Information Science Concentration: Computer Science

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
Approved General Education Humanities/Fine Arts elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
ECON 2110	Principles of Economic I.....	4
Mathematics		
Approved General Education Mathematics elective <sup>1</sup> .....		
<b>Area of Emphasis Requirements (44 hours)</b>		
ACCT 1410	Small Business Record Keeping.....	3
<b>or</b>		
ACCT 2210	Principles of Accounting I .....	3
CPSC 1100	Using Information Technology .....	3
CPSC 1230/1231	Introduction to Programming w/Lab.....	3
CPSC 1235/1236	Visual Basic w/Lab .....	3
CPSC 1350/1351	Introduction to Computer Science I w/Lab.....	4
CPSC 1530/1531	Introduction to Computer Science II w/Lab.....	4
CPSC 2000	Computer Organization .....	3
CPSC 2010/2011	Assembly Language w/Lab .....	4
CPSC 2770/2771	Data Base Management Systems w/Lab .....	4
CPSC 2820/2821	Cisco Network Fundamentals w/Lab .....	3
CPSC 2830/2831	Cisco Router Fundamentals w/Lab .....	3
Computer Science Electives <sup>2</sup> :		
<b>Choose 7 credit hours from the following:</b> .....		
CPSC 2290/2291	File Processing w/Lab .....	7
INTC 1050/1051	Computer Graphics/ Animation .....	
INTC 1060/1061	Web Design and Development w/Lab .....	
INTC 1070/1071	Authoring Multimedia w/Lab .....	
INTC 1085	Hardware Support .....	
INTC 1090/1091	Advanced Web Design and Development w/Lab .....	
INTC 2000/2001	JAVA w/Lab .....	
INTC 2010/2011	Microsoft Windows Desktop Operating System w/Lab .....	
INTC 2090/2091	Web Server Application w/Lab .....	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.  
<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

#### NOTES

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer science requirement.
- Developmental education courses must be taken every semester until completed.

## COMPUTER AND INFORMATION SCIENCE/ COMPUTER NETWORKING

This A.A.S. program emphasizes the various aspects of networking and other basic computer skills needed in the field of information technology. The training will qualify students to assume positions with business and industry employing computer technologies. Students will work in the planning, design, implementation, and maintenance of different sized networks. Special emphasis will be placed on Cisco and Microsoft NT. Students will also be prepared with basic PC hardware support and programming skills. Basic computer skills (CPSC 1100 or equivalent) are required for enrollment of the program.

**Degree: Associate of Applied Science**

**Emphasis: Computer and Information Science**

**Concentration: Networking**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
SPCH 2010	Introduction to Speech Communication.....	3
Humanities and/or Fine Arts		
	Approved General Education Humanities/Fine Arts elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
ECON 2110	Principles of Economic I.....	4
Mathematics		
	Approved General Education Mathematics elective <sup>1</sup> .....	3
<b>Area of Emphasis Requirements (44 hours)</b>		
ACCT 1410	Small Business Record Keeping .....	3
or		
ACCT 2210	Principles of Accounting I	
CPSC 1100	Using Information Technology .....	3
CPSC 1230/1231	Introduction to Programming w/Lab.....	3
CPSC 1235/1236	Visual Basic w/Lab.....	3
CPSC 2770/2771	Data Base Management Systems w/Lab .....	4
CPSC 2820/2821	Cisco Networking Fundamentals w/Lab.....	3
CPSC 2830/2831	Cisco Router Fundamentals w/Lab .....	3
CPSC 2840/2841	Cisco Advanced Router w/Lab .....	3
CPSC 2850/2851	Cisco WAN Technologies w/Lab .....	3
INTC 1085	Hardware Support .....	4
INTC 2020/2021	Microsoft Windows Server w/Lab.....	3
INTC 2030/2031	Microsoft Windows Network Infrastructure w/Lab.....	3
INTC 2050/2051	Microsoft Windows Active Directory w/Lab.....	3
	Additional elective <sup>2</sup> – <b>Choose one (1) of the following courses:</b> .....	3
INTC 1050/1051	Computer Graphics/Animation w/Lab	
INTC 1060/1061	Web Design and Development w/Lab	
INTC 1090/1091	Advanced Web Design and Development w/Lab	
INTC 2090/2091	Web Server Applications w/Lab	
INTC 1070/1071	Authoring Multimedia w/Lab	
INTC 2000/2001	JAVA w/Lab	
INTC 2010/2011	Microsoft Windows Desktop Operating System w/Lab	
CPSC 2290/2291	File Processing w/Lab	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 of the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. CPSC 1100 satisfies the college's computer competency requirement.
- Developmental education must be taken every semester until completed.

## Department of Industrial Technology

**Purpose**

The Industrial Technology department prepares students to assume highly skilled technical and supervisory positions in business and industry. The program contains three specialized concentrations of study including: Drafting and Design, Electrical/Electronics, and Manufacturing. Each of the concentrations has a common core of course work designed to provide a fundamental background in general education and specific course work in Industrial Technology. Students are required to take a minimum of 12 semester hours of technical course work at Walters State Community College.

## INDUSTRIAL TECHNOLOGY/ BIOMEDICAL EQUIPMENT TECHNOLOGY

The Biomedical Equipment Technology concentration under the Industrial Technology degree program prepares individuals to fill an important role in today's specialized medical industry. Biomedical equipment, which is vital to human life, is found in clinics, hospitals, and many doctors' offices. The complex and highly specialized equipment in these facilities is valued in millions of dollars. The Biomedical Equipment Technology program is designed to prepare the student to meet the demands of this exacting profession by teaching them the electronics skills needed to inspect, calibrate, maintain, troubleshoot and repair medical equipment. Computer Networking courses are also part of the curriculum, as technicians are often responsible for the transmission of data from biomedical equipment to computer stations through local and wide area networks. Select courses are also transferable to select four-year colleges and universities with similar programs.

**Degree: Associate of Applied Science**

**Emphasis: Industrial Technology**

**Concentration: Biomedical Equipment Technology**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
	Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science elective <sup>1</sup> .....	3
Natural Science/Mathematics		
PHYS 2010/2011	General Physics I w/Lab .....	4
MATH 1720	Pre-Calculus .....	3
<b>Area of Emphasis Requirements (44 hours)</b>		
CPSC 2820/2821	Cisco Networking Fundamentals .....	3
CPSC 2830/2831	Cisco Router Fundamentals.....	3
CPSC 2840/2841	Cisco Advanced Routers .....	3
CPSC 2850/2851	Cisco WAN Technology .....	3
ENGL 1020	Composition II .....	3
ITMF 1010	Operations Management I .....	3
ITMF 2610	Occupational Safety .....	3
ITEE 1320/1321	DC Circuits w/Lab.....	4
ITEE 1330/1331	AC Circuits w/Lab.....	4
ITEE 1510/1511	Digital Electronics w/Lab.....	4
ITEE 1710/1711	Electronics w/Lab .....	4
ITEE 1910/1911	Microprocessors w/Lab .....	3
ITDD 1010/1011	Engineering Graphics I w/Lab .....	4
PSYC 1310	Introduction to Psychology.....	3
SPCH 2010	Introduction to Speech Communication.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.



### INDUSTRIAL TECHNOLOGY/ DRAFTING AND DESIGN

The Drafting and Design concentration emphasizes design concepts and graphical techniques involved in the production of engineering and architectural drawing. Emphasis is placed on computer aided drafting and design utilizing the latest in commercial software.

Walters State Community College course credit is available for students who enter this degree program from the Tennessee Technology Centers. Up to 15 hours of course credit may be granted to TTC diploma completers who first, meet with a program area advisor before beginning the course of study and second, satisfactorily complete ITMF 1005, a 3 hour transition course.

**Degree: Associate of Applied Science**

**Emphasis: Industrial Technology**

**Concentration: Drafting and Design**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
Approved Behavioral/Social Science elective <sup>1</sup> .....		
Mathematics		
MATH 1720	Pre-Calculus (Trigonometry).....	3
Natural Science		
PHYS 2010/2011	General Physics I w/Lab .....	4
<b>Area of Emphasis Requirements (44 hours)</b>		
ITDD 1010/1011	Engineering Graphics I w/Lab .....	4
ITDD 1020/1021	Engineering Graphics II w/Lab .....	4
ITDD 1410/1411	Technical Illustration w/Lab .....	4
ITDD 2430/2431	Computer Aided Drafting w/Lab .....	3
ITDD 2510/2511	Architectural CAD w/Lab .....	4
ITDD 2610/2611	CAD Applications w/Lab.....	3
ITDD 2810/2811	CAD 3-D w/Lab .....	3
ITEE 1010	Electrical Applications.....	3
ITEE 1011	Electrical Applications Lab .....	1
ITMF 1010	Operations Management I .....	3
ITMF 1210/1211	Industrial Materials and Processes w/Lab.....	3
ITMF 2200/2201	Machine Tool Technology .....	3
ITMF 2610	Occupational Safety .....	3
SPCH 2010	Introduction to Speech Communication.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.

### INDUSTRIAL TECHNOLOGY/ ELECTRICAL/ELECTRONICS

The Electrical/ Electronics concentration emphasizes technical skills needed in an industrial environment where trouble-shooting abilities and a knowledge of electrical concepts are required. The concentration includes classroom theoretical instruction supplemented by extensive hands-on laboratory training.

Walters State Community College course credit is available for students who enter this degree program from the Tennessee Technology Centers. Up to 15 hours of course credit may be granted to TTC diploma completers who first, meet with a program area advisor before beginning the course of study and second, satisfactorily complete ITMF 1005, a 3 hour transition course.

**Degree: Associate of Applied Science**

**Emphasis: Industrial Technology**

**Concentration: Electrical/Electronics**

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....		
Behavioral/ Social Sciences		
Approved Behavioral/Social Science Elective <sup>1</sup> .....		
Mathematics		
MATH 1720	Pre-Calculus (Trigonometry).....	3
Natural Science		
PHYS 2010/2011	General Physics I w/Lab .....	4
<b>Area of Emphasis Requirements (44 hours)</b>		
ITDD 1010/1011	Engineering Graphics I w/Lab .....	4
ITEE 1010	Electrical Applications.....	3
ITEE 1011	Electrical Applications Lab .....	1
ITEE 1320	DC Electrical Circuits.....	3
ITEE 1321	DC Electrical Circuits Lab .....	1
ITEE 1330	AC Electrical Circuits.....	3
ITEE 1331	AC Electrical Circuits Lab .....	1
ITEE 1510	Digital Electronics .....	3
ITEE 1511	Digital Electronics Lab.....	1
ITEE 1710	Electronics .....	3
ITEE 1711	Electronics Lab .....	1
ITEE 1910/1911	Microprocessors w/Lab .....	3
ITEE 2610/2611	Electrical Power .....	2
ITEE 2611	Electrical Power Lab .....	2
ITEE 2730	Industrial Controls .....	3
ITEE 2731	Industrial Controls Lab .....	1
ITMF 1010	Operations Management I .....	3
ITMF 2610	Occupational Safety .....	3
SPCH 2010	Introduction to Speech Communication.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.

## INDUSTRIAL TECHNOLOGY/ ELECTROMECHANICAL TECHNOLOGY

The Electromechanical Technology concentration under the Industrial Technology degree program prepares individuals for employment in many areas of business and industry. The curriculum is balanced between industrial electricity and industrial mechanics, providing graduates with a multitude of opportunities. Graduates may work as electromechanical technicians, work in areas that include basic electrical troubleshooting and maintenance, mechanical systems design and repair, and state of the art machine automation. They may work as programmers of automated manufacturing cells, programmable logic controller programmers and troubleshooters, or as electromechanical technicians in advanced manufacturing operations.

Graduates of the program will be skilled in electronics troubleshooting, reading electrical schematics, using electrical measuring equipment, installing and troubleshooting programmable logic controller hardware and software, three-phase power and motor control, and understanding electrical/electronics terminology. They will also be skilled in fluid power systems, mechanical power transmission, basic welding, industrial piping and pump applications, and basic millwright principles. These skills are the basic skills needed by entry level electromechanical technicians.

### Degree: Associate of Applied Science

### Emphasis: Industrial Technology

### Concentration: Electromechanical Technology

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
	Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science elective <sup>1</sup> .....	3
Natural Science/Mathematics		
PHYS 2010/2011	General Physics I w/Lab .....	4
MATH 1720	Pre-Calculus .....	3
<b>Area of Emphasis Requirements (44 hours)</b>		
ITEE 1320	DC Electrical Circuits.....	3
ITEE 1321	DC Electrical Circuits Lab.....	1
ITEE 1330	AC Electrical Circuits.....	3
ITEE 1331	AC Electrical Circuits Lab.....	1
ITEE 1710	Electronics .....	3
ITEE 1711	Electronics Lab .....	1
ITEE 2610/2611	Electrical Power .....	2
ITEE 2611	Electrical Power Lab .....	2
ITEE 2730	Industrial Controls .....	3
ITEE 2731	Industrial Controls Lab .....	1
ITEM 1110	Mechanical Power Transmission .....	4
ITEM 1310	Millwright Principles.....	3
ITEM 2110	General Welding.....	3
ITEM 2410	Hydraulics and Pneumatics.....	4
ITEM 2610	Piping and Auxiliaries.....	4
ITMF 1210	Industrial Materials and Processes .....	3
SPCH 2010	Introduction to Speech Communication.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

<sup>2</sup> Students should consult a faculty advisor to determine appropriate course selections transferable to specific institutions.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.

## INDUSTRIAL TECHNOLOGY/ MANUFACTURING

The Manufacturing concentration emphasizes the development of problem solving, communication, and technical skills and provides education in the management and control of basic materials, facilities, personnel and financial resources.

Walters State Community College course credit is available for students who enter this degree program from the Tennessee Technology Centers. Up to 15 hours of course credit may be granted to TTC diploma completers who first, meet with a program area advisor before beginning the course of study and second, satisfactorily complete ITMF 1005, a 3-hour transition course.

### Degree: Associate of Applied Science

### Emphasis: Industrial Technology

### Concentration: Manufacturing

Course No.	Course Title	Credit Hours
<b>General Education Requirements (16 hours)</b>		
Communication		
ENGL 1010	Composition I .....	3
Humanities and/or Fine Arts		
	Approved Humanities/Fine Arts General Education elective <sup>1</sup> .....	3
Behavioral/ Social Sciences		
	Approved Behavioral/Social Science General Education elective <sup>1</sup> .....	3
Mathematics		
MATH 1720	Pre-Calculus (Trigonometry).....	3
Natural Science		
PHYS 2010/2011	General Physics I w/Lab .....	4
<b>Area of Emphasis Requirements (44 hours)</b>		
ITDD 1010/1011	Engineering Graphics I w/Lab .....	4
ITEE 1010	Electrical Applications.....	3
ITEE 1011	Electrical Applications Lab .....	1
ITMF 1010	Operations Management I .....	3
ITMF 1210/1211	Industrial Materials and Processes w/Lab.....	3
ITMF 1430/1431	Quality Assurance w/Lab .....	3
ITMF 1810	Industrial Supervision .....	3
ITMF 2200/2201	Machine Tool Technology w/Lab .....	3
ITMF 2610	Occupational Safety .....	3
ITMF 2710	Operations Management II.....	3
ITMF 2720/2721	Facilities Planning w/Lab.....	3
ITMF 2740/2741	Industrial Measurements & Cost Systems w/Lab.....	3
ITMF 2810/2811	CNC Programming w/Lab.....	3
MATH 1530	Probability and Statistics.....	3
SPCH 2010	Introduction to Speech Communication.....	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> General Education electives in each category must be chosen from approved courses listed on page 56 in the catalog.

**NOTES**

- Students are required to meet computer competency during the first 30 hours of coursework. For additional information, visit [www.ws.edu](http://www.ws.edu) and click on the "computer competency" page.
- Developmental education courses must be taken every semester until completed.

## TECHNICAL CERTIFICATE

The Industrial Maintenance technical certificate program prepares individuals to support and maintain industrial systems including: computer-controlled electrical and mechanical production equipment, material process and material handling equipment, general maintenance and facility support systems. A preparation for supervisory level positions in the industrial environment is provided along with an overview of world class industrial operations.

### Emphasis: Industrial Maintenance

Course No.	Course Title	Credit Hours
ITEE 1010	Electrical Applications.....	3
ITEE 1011	Electrical Applications Lab.....	1
ITEE 2610	Electrical Power.....	2
ITEE 2611	Electrical Power Lab.....	2
ITEE 2730	Industrial Controls.....	3
ITEE 2731	Industrial Controls Lab.....	1
ITEM 1110	Mechanical Power Transmission.....	4
ITEM 1310	Millwright Principles.....	3
ITEM 2410	Hydraulics and Pneumatics.....	4
ITMF 1610	Industrial Print Reading.....	3
<b>Total Credit Hours</b>		<b>26</b>

## TECHNICAL CERTIFICATE

The Industrial Technology certificate helps prepare individuals for entry level employment in an advanced manufacturing environment. Individuals that are unemployed are prime candidates for this certificate. This certificate will also benefit individuals currently employed, as it provides the opportunity for them to upgrade their skills for potential promotion opportunities. Individuals that complete this program can apply credits earned toward the Manufacturing option of the AAS degree in Industrial Technology program, if they so choose.

### Emphasis: Industrial Technology

Course No.	Course Title	Credit Hours
ITMF 1010	Operations Management I.....	3
ITMF 1210/1211	Industrial Materials and Processes w/Lab.....	3
ITMF 1430/1431	Quality Assurance w/Lab.....	3
ITMF 1610	Introduction to Industrial Print Reading.....	3
ITMF 2200/2201	Machine Tool Technology w/Lab.....	3
<b>Total Credit Hours</b>		<b>15</b>

## TECHNICAL CERTIFICATE

The Quality Control Technology technical certificate program prepares individuals for business and industrial job opportunities in the Quality Assurance career field. Individuals presently employed and working in the quality management occupational area may upgrade their knowledge and skill levels by successfully completing the program.

### Emphasis: Quality Control Technology

Course No.	Course Title	Credit Hours
ITMF 1010	Operations Management I.....	3
ITMF 1430	Quality Assurance.....	3
ITMF 1520	Quality Systems.....	3
ITMF 1530	Metrology and Calibration.....	3
ITME 1540	Inspection and Testing Methods.....	3
ITMF 1550	Root Cause Analysis and Problem Solving.....	3
ITMF 1610	Industrial Print Reading.....	3
ITMF 1810	Industrial Supervision.....	3
<b>Total Credit Hours</b>		<b>24</b>

## TECHNICAL CERTIFICATE

This certificate is designed for the person who wishes to enhance their employment options by taking course work in both general and technical education. Completing this course of study will require a minimum of two semesters. The first semester of this certificate is offered to students with similar backgrounds taking the courses as a group. The second semester of the program allows students to pursue their own area of interest by taking additional technical courses. Additional information on this program can be obtained from the Division of Technical Education at 423-585-2644.

### Emphasis: Workforce Preparedness

#### Technical Electives in a Content Area:

Each student will select a technical elective content area and complete the specified courses (11/12 hours) in that area:

Course No.	Course Title	Credit Hours
<b>Certificate Requirements</b>		
WPCP 1010	Workforce Skills.....	3
WPCP 1020	Workforce Leadership.....	3
WPCP 1030	Business Communication.....	3
WPCP 1040	Business Mathematics.....	3
WPCP 1050	Professional Work Skills Development.....	3
CPSC 1100	Using Information Technology.....	3
Concentration Hours (See Below).....		<b>11-12</b>
<b>Total Credit Hours</b>		<b>29-30</b>

#### Office Administration Concentration

ACCT 1410	Small Business Record Keeping.....	3
<b>or</b>		
ACCT 2210	Principles of Accounting I.....	3
BUSN 1010	Introduction to Business.....	3
ADOA 1040	Keyboarding 3	
ADOA 1010	Document Preparation I.....	3
<b>Total</b>		<b>12</b>

#### Industrial Tech Concentration

ITDD 1010/1011	Engineering Graphics I w/Lab.....	4
ITMF 1010	Operations Management I.....	3
ITEE 1010	Electrical Applications.....	3
ITEE 1011	Electrical Applications Lab.....	1
<b>Total</b>		<b>11</b>

#### Computer Science Concentration

INTC 1050/1051	Computer Graphics/Animation w/Lab.....	3
INTC 1060/1061	Web Design and Development w/Lab.....	3
INTC 1070/1071	Authoring Multimedia w/Lab.....	3
INTC 1090/1091	Internet Programming I w/Lab.....	3
<b>Total</b>		<b>12</b>

# *Course Descriptions*



## COURSE DESCRIPTIONS

In addition to the credit courses of study in each of the following disciplines, the college also offers from semester to semester various special courses of study not listed. These courses are offered through the office of Community and Economic Development and all inquiries should be addressed to the dean of that office.

□ Courses have a common alpha/numeric rubric with all TBR institutions, and will transfer as part of the minimum degree requirements.

### COURSE DESIGNATIONS

**F** - course offered Fall Semester

**S** - course offered Spring Semester

**Su** - course offered Summer Semester

**As required** - offered on student need

### ACCOUNTING (ACCT)

**ACCT 1410 Small Business Record Keeping ..... 3 credits**  
Basic principles of accounting with emphasis on record keeping and analyzing transactions, payroll concepts, and preparation of federal and state payroll tax returns common to small business. **As required**

**ACCT 2110 Introductory Accounting I ..... 3 credits**  
A conceptual course designed to provide the student with a basic understanding of financial and managerial accounting and the business environment. Emphasis will be on the communication of results of business operations to users of financial information and the interpretation of those results. **F, S, Su**

**ACCT 2120 Introductory Accounting II ..... 3 credits**  
A procedural course designed to provide the student with a basic understanding of accounting procedures. The course will emphasize transaction analysis and the accounting cycle including financial statement preparation. When taken in sequence with ACCT 2110 - Introductory Accounting I, the student will have received instruction in all topics taught in the traditional accounting principles sequence required by most collegiate business programs. (Prerequisite: ACCT 2110) **F, S**

**ACCT 2210 Principles of Accounting I ..... 3 credits**  
Introduction to financial accounting theory and practice with emphasis on preparation and reporting of financial information. **As required**

**ACCT 2220 Principles of Accounting II ..... 3 credits**  
Introduction to managerial and cost accounting concepts with emphasis on uses of accounting data by managers in planning operations, controlling activities and decision making. (Prerequisite: ACCT 2210) **As required**

**ACCT 2550/2551 Tax Practice ..... 4 credits**  
A study of federal income tax preparation procedures for individuals, partnerships and corporations. Emphasis will be placed on the responsibilities of tax return preparers to their clients and the Internal Revenue Service. The course stresses manual preparation techniques of federal tax forms and schedules. (Prerequisites: ACCT 2110 with a grade of C or better, MGMT 1100 and MATH 1630, or consent of the instructor). **F**  
*3 hours lecture / 2 hours laboratory*

**ACCT 2560/2561 Accounting Practice I ..... 4 credits**  
A course designed to prepare students for complex bookkeeping assignments. Emphasis will be placed on deferrals and accruals, the interim and year-end adjusting processes, error isolation and correction, drafting of financial statements, closing procedures, and work paper preparation and documentation. Students will be exposed to both manual and computerized accounting systems. (Prerequisites: ACCT 2110 with a grade of C or better, MGMT 1100, and MATH 1630, or consent of instructor) **F**  
*3 hours lecture / 2 hours laboratory*

**ACCT 2570/2571 Accounting Practice II ..... 4 credits**  
This course includes a survey of major Tennessee state and local taxes including return preparation, microcomputer preparation of federal tax returns and payroll accounting procedures and reporting. Payroll record keeping techniques and federal and state payroll tax return requirements will be emphasized. (Prerequisite: ACCT 2550 with a grade of "C" or better) **S**  
*3 hours lecture / 2 hours laboratory*

**ACCT 2580/2581 Accounting Practice III ..... 4 credits**  
A capstone course designed to challenge the student's problem solving abilities in accounting and related areas. Comprehensive accounting/tax/OCBOA simulations will stress overall engagement objectives and outcomes. Students will be required to complete the simulations as if on an actual engagement. Verbal and written communications skills will be stressed. Students will utilize Word to prepare formal reports and letters. Also ethics will be emphasized as imperative in all aspects of an engagement. A comprehensive final project/examination will cover all topics included in the paraprofessional curriculum. (Prerequisite or corequisite: ACCT 2570) **S**  
*3 hours lecture / 2 hours laboratory*

### ADMINISTRATIVE OFFICE ASSISTANT (ADOA)

**ADOA 1010 Document Preparation I ..... 3 credits**  
Provides experience in formatting and preparing business letters, outlines, reports, tables, data sheets and forms. Basic text-editing functions of microcomputers are introduced. (Prerequisites: one year of high school typewriting or successful completion of ADOA 1040 Keyboarding) **F, S**

**ADOA 1020 Document Preparation II ..... 3 credits**  
Processing information for executive, production, marketing, accounting, governmental, medical and legal offices is emphasized. Advanced text-editing functions are introduced. (Prerequisite: ADOA 1010) **S**

**ADOA 1040 Keyboarding ..... 3 credits**  
Designed to improve proficiency in alpha-numeric keyboarding skills needed for inputting on electronic typewriters, microprocessors, word processors and computer terminals. Credit is assigned on a pass/fail basis. **F, S**

**ADOA 1210 Administrative Office Procedures and Simulation ..... 3 credits**  
A study of the principles and techniques of office procedures including responsibilities for placing and receiving calls, paper and electronic filing, traditional and electronic mail systems, handling travel details, document preparation in the automated office, payroll recording, presenting statistical data,

calendar, and handling details for meetings. Students will also have simulated office experiences with the principles and techniques taught in the course. (Prerequisites for this course include ADOA 1040 or equivalent and ADOA 1010.) **F**

**ADOA 2220 Word Processing ..... 3 credits**

Introduction to word processing utilizing IBM-PC compatible microcomputers. Emphasis will be on basic computer concepts, terminology, and formatting and producing documents. **F**

**ADOA 2310 Word Processing Transcription ..... 3 credits**

Preparation of documents from dictated input on electronic word processors. Emphasis on word processing experiences including proofreading and revising copy, applying correct language skills, and determining document format. (Prerequisite: ADOA 1010) **F**

**ADOA 2900 Office Proficiency Assessment**

**Certification Review ..... 1 credit**

An application-oriented assessment of entry-level skills for office administration students. The course is a pass/fail evaluation of students' proficiency in keyboarding, word processing, language arts skills, records management, financial record keeping, spreadsheets, and databases. Students in the office administration major must be enrolled in their final semester of classes to take this course. **As required**

**ADOA 2990 Administrative Office Assistant**

**Internship ..... 3 credits**

An office administration internship of combined learning and office work experience. Students will be placed in private industry as well as Walters State Community College administrative offices. (Prerequisite: ADOA 1010 and ADOA 1210) **F, S**

## AGRICULTURE RESOURCE MANAGEMENT (AGRM)

**AGRM 1010 Perspectives in Agriculture ..... 3 credits**

A general perspective of the dynamic fields in agriculture and associated natural resources. Students will study the historical development of agriculture, current national and world issues in agriculture and trends for the future. **F**

*3 hours lecture*

**AGRM 1020 Introduction to Turfgrass Management ..... 2 credits**

This course covers the selection and establishment of turf grass, as well as soil management and fertilization in turfgrass culture. The basics of mowing, irrigation, renovation and cultivation are also covered. **As required**

*2 hours lecture*

**AGRM 1030 Advanced Turf Management ..... 2 credits**

Basic principles and practices of turf management related to golf courses. Topics will include specialized turf areas, fertilizer program, development, equipment selection, and insect, weed and disease management. **As required**

*2 hours lecture*

**AGRM 1040 Pest Management ..... 2 credits**

A study in the review and compliance with EPA regulations in the safe use, storage and disposal of pesticides are emphasized along with Integrated Pest Management (IPM) and Best Management Principles (BMP). **As required**

*2 hours lecture*

**AGRM 1050 Turf Power Equipment ..... 3 credits**

A study of basic power equipment maintenance programs including small engine repair, hydraulic systems and reel and blade sharpening will be covered as will the exposure to new equipment available for golf course maintenance. **As required**

*3 hours lecture*

**AGRM 1060 Golf Course Irrigation ..... 2 credits**

A basic study of soil, water and plant relationships as they determine the need for and methods of irrigation and related drainage systems. **As required**

*2 hours lecture*

**AGRM 1110/1111 Fundamentals of Animal Science ..... 4 credits**

A study of the basic structure of the animal industry in agriculture including breeding and evaluation of meat animals, market classes, marketing, production systems and animal products derived from beef and dairy cattle, poultry, sheep and swine. Students will visit area markets and farms for first hand lab work with production, marketing, and evaluation of meat animals. This course will also introduce the student to a variety of general animal science topics and career opportunities in animal agriculture. **F**

*3 hours lecture / 2 hours laboratory*

**AGRM 1120 Beef Cattle Management ..... 3 credits**

A course dealing with the economics of the cattle business, selection and breeding programs, feeding, herd health, marketing, and facilities for raising and handling beef cattle. Special emphasis will be given to the economics of daily management decisions. **As required**

*3 hours lecture*

**AGRM 1130 Horse Management ..... 3 credits**

A course dealing with the basics of owning and caring for horses. Subjects include selection of the right horse, breeding, boarding, feeding, health care, hoof care and the ownership of horses for business and recreational uses. **F**

*3 hours lecture*

**AGRM 1140 Horsemanship ..... 1 credit**

An introduction to safe horse handling using both English and western tack. The student will learn beginning riding techniques for pleasure and trail riding. **F**

**AGRM 1150 Advanced Horsemanship ..... 1 credit**

A course designed to advance the student from beginning riding techniques for pleasure riding in AGRM 1140 to advanced riding skills for training and showing horses. (Prerequisite: AGRM 1140) **F**

**AGRM 1160 Livestock Management**

**Apprenticeship ..... 3 credits**

A course combining personal instruction with hands-on work experience with livestock. (Prerequisite: 3 credits of animal agriculture courses plus permission of instructor. May be repeated for a maximum of six (6) credit hours). **S**

*3 hours lecture*

**AGRM 1170/1171 Livestock Event Management ..... 3 credits**

Livestock Event Management gives agriculture students an opportunity to actually plan, promote and conduct a livestock event for user groups. Students will seek sponsorship for and promote agricultural events such as team roping and running horse contests not being offered at the Expo Center by other groups and will seek to boost community support for these and other agricultural events in the future. In addition to event planning, students will

cover topics such as facility scheduling, liability and legal issues of public events and budgeting for a livestock event. **S**

*1 hour lecture / 4 hours laboratory*

**AGRM 1180/1181 Adv. Livestock Event Management ..3 credits**

A continuation of AGRM 1170 with more emphasis on the business part of livestock events with more in-depth study of budgeting and liability concerns. (Prerequisite: AGRM 1170/1171 plus permission of instructor. May be repeated for a maximum of six (6) credit hours) **S**

*1 hour lecture / 4 hours laboratory*

**AGRM 1210/1211 Introduction to Crop Science ..... 4 credits**

The importance and utilization of the world's leading crops are covered in this course. It is a study of basic plant structure, growth, reproduction and classification of plants economically important to agriculture. Much of the student's laboratory time will be used to study local crops, their management, production problems and marketing of these crops. **S**

*3 hours lecture / 2 hours laboratory*

**AGRM 1410 Environmental Horticulture ..... 3 credits**

Basic plant sciences and their relationship to ornamental horticulture. An introduction to the awareness and appreciation of interior and exterior ornamental plants with emphasis on the home landscape, turfgrasses, herbaceous plants, and tropical plants. **F**

*3 hours lecture*

**AGRM 1420/1421 Fruit & Vegetable Production ..... 3 credits**

A study of fruit and vegetable production on both the home and commercial scale. Subjects include site selection, soil selection and management, fertility, planting, raising your own plants, pruning fruit trees, pest control, harvest, storage and commercial marketing. The emphasis is on general management and the production of top quality produce that meets market standards. **As required**

*2 hours lecture / 2 hours laboratory*

**AGRM 1440/1441 Interior Landscaping ..... 3 credits**

Identification, culture, interior design use and management of tropical and flowering plants cultivated in botanical gardens, conservatories, and building interiors. Plant disorder diagnosis including nutritional and pest problems. **S**

*2 hours lecture / 2 hours laboratory*

**AGRM 1510/1511 Basic Landscape Plants ..... 4 credits**

Identification, classification, adaptation, culture, and landscape design uses for ornamental trees, shrubs, ground covers, and vines. **F**

*3 hours lecture / 2 hours laboratory*

**AGRM 1520/1521 Supplementary Landscape &**

**Herbaceous Plants ..... 3 credits**  
Identification, classification, adaptation, culture, and landscape design uses for ornamental trees, shrubs, ground covers, vines, and herbaceous annuals, biennials, and perennials. Weed, insect, and disease pests and their control in landscape planting. (Prerequisite: AGRM 1510 or consent of instructor) **S**

*2 hours lecture / 2 hours laboratory*

**AGRM 1610/1611 Turf Power Equipment ..... 3 credits**

Basic understanding of operation and maintenance of equipment used in turfgrass management. Preventative maintenance, gas and diesel engine operation, small engine mechanics, hydraulic systems operation, and reel and blade sharpening will be taught in a hands on shop environment. **F**

*2 hours lecture / 2 hours laboratory*

**AGRM 1620/1621 Irrigation Systems ..... 3 credits**

Basic techniques involved in the design, layout, installation, and use of irrigation systems. Soil-water-plant relationships determine the need for and methods of irrigation and related drainage systems. **S**

*2 hours lecture / 2 hours laboratory*

**AGRM 1710/1711 Agricultural Economics ..... 3 credits**

A study of the principles of agricultural economics including the law of supply and demand, pricing structure for farm commodities, and farm marketing. The course includes topics on natural resources use and conservation, community resource development and international agricultural trade. Lab time will be devoted to student use of loan applications, employee records and payroll reports, balance sheets, income and expense reports and general business record keeping. **F**

*2 hours lecture / 2 hours laboratory*

**AGRM 2010/2011 Pests and Pesticides ..... 4 credits**

Compliance with EPA regulations in the safe use, storage, and disposal of pesticides are emphasized along with Integrated Pest Management (IPM) and Best Management Practices (BMP). Also, identification and control of major insect, disease, and weed problems affecting turfgrass and ornamental horticulture. Upon completion of the course students will be given the opportunity to take the certification exam for turf and ornamental horticulture (category) 03. **S**

*3 hours lecture / 2 hours laboratory*

**AGRM 2030/2031 Soil Science ..... 4 credits**

A study of the physical, chemical and biological properties of soils as these properties relate to soil management and fertility. The student will examine differences in soils and relate these differences to the origin of the particular soil, its productive capacity and the best management practices for the soil with respect to erosion control, tillage practices, natural moisture supply, aeration, and fertility of the soil. Plant nutrition and the use of fertilizers will be covered with the student running soil tests and making fertilizer recommendations based on the test results. **F**

*3 hours lecture / 2 hours laboratory*

**AGRM 2130/2131 Animal Nutrition and Feeding ..... 3 credits**

The properties, functions, utilization and deficiency symptoms of the essential nutrients for normal growth and reproduction of farm animals are studied in this course along with common livestock feeds, feed additives, nutrient requirements and feeding standards. Ration formulation for beef and dairy cattle, sheep, horses, swine and poultry is a part of the course as well as field trips to area livestock farms to study routine feeding practices. **As required**

*2 hours lecture / 2 hours laboratory*

**AGRM 2140/2141 Farm Animal Health and Management Practices ..... 4 credits**

This course introduces the student to basic health management and disease prevention programs for farm animals with a study of the characteristics and symptoms, prevention and treatment of major diseases and internal and external parasites. Students learn livestock management practices and skills including dehorning, castrating, implanting, identification, foot care, vaccinating, and preparation for show and sale. Students receive group and individual instruction in these skills. The course also includes a study of buildings and equipment needed for raising and handling livestock. **S**

*3 hours lecture / 2 hours laboratory*

**AGRM 2210/2211 Greenhouse Crop Production ..... 4 credits**

Principles and commercial practices in producing the major and minor potted and cut flowers and plants produced in a greenhouse or similar structure. Application of the principles of plant physiology as related to the control of flowers, scheduling, environment, quality, sales and management. **S**

*3 hours lecture / 2 hours laboratory*

**AGRM 2310/2311 Greenhouse Management ..... 3 credits**

Principles of greenhouse-growing structures operation and management with emphasis on environmental control, media, fertilization and nutritional monitoring, insect and disease prevention and control, marketing and management. **F**

*2 hours lecture / 2 hours laboratory*

**AGRM 2410/2411 Residential Landscape Design ..... 3 credits**

History of landscape design as related to contemporary applications. Development of the awareness of and sensitivity to the well organized use of landscape woody and herbaceous ornamental plants and landscape structures. Emphasis on design principles, energy conservation systems, plant identification and culture, basic graphic skills, and detailed cost analysis. **F**

*2 hours lecture / 2 hours laboratory*

**AGRM 2420/2421 Landscape Design and****Operations ..... 3 credits**

Comprehensive application of landscape design skills in commercial and residential settings. Site layout, grading, applied landscape construction, and planting design theories are covered. (Prerequisite: AGRM 2410) **S**

*2 hours lecture / 2 hours laboratory*

**AGRM 2440/2441 Lawn and Landscape****Maintenance ..... 3 credits**

The proper installation and maintenance of residential and commercial landscapes including blueprint reading, job stakeout, proper planting, mulching, pest and weed control and prevention, edging, soil amending, climate protection, pruning and related business practices. (Prerequisite: AGRM 1510) **S**

*2 hours lecture / 2 hours laboratory*

**AGRM 2460/2461 Turfgrass Management ..... 4 credits**

The core course is turfgrass management for all turfgrass and horticulture majors. Turfgrass species identification, selection, and establishment; environmental and climatic influences; soils management and fertilization in turfgrass culture; and the basics of mowing, irrigation, renovation, cultivation and pest management in lawns are covered. **F**

*3 hours lecture / 2 hours laboratory*

**AGRM 2470/2471 Professional Turfgrass****Management ..... 3 credits**

Principles and practices of professional turfgrass managers of lawn, sports turf, and golf courses. Selection of improved cultivars, construction of specialized turf areas, fertilizer program development, equipment selection, insect, disease and weed management. **S**

*2 hours lecture / 2 hours laboratory*

**AGRM 2480/2481 Golf Course Organization****and Maintenance ..... 4 credits**

This course brings into focus the management of golf course and sports turf maintenance operations as it relates to the superintendent's duties. Such areas as turf grooming, work scheduling, equipment management, records and budgets and irrigation system management will be covered. Golf course

design and construction, maintenance building and workshop design and operation will also be covered. Students will take an active role in the day to day operations of the college's turf lab as part of their lab work. **F**

*3 hours lecture / 2 hours laboratory*

**AGRM 2520 Farm Management ..... 3 credits**

A study of practical farm management skills related to owning and operating a farm. This course will cover both crop and livestock management along with the proper use of farm records. **As required**

*3 hours lecture*

**AGRM 2630/2631 Agricultural Microcomputer****Applications ..... 3 credits**

An introduction to microcomputer technology as related to agricultural and horticultural applications. Acquisition and use of commercially available software packages, electronic spreadsheets, communications, mechanical system controllers and operating systems. **F, S**

*2 hours lecture / 2 hours laboratory*

**AGRM 2910 Cooperative Seminar ..... 3 credits**

Student practical experience in a cooperative program with area agricultural business and industry. May be repeated to six credits maximum. **Su**

*6 hours laboratory*

**AGRM 2990 Individual Problem Study ..... 3 credits**

Student basic research project focusing on his/her agricultural or horticultural needs and interests. May be repeated to six credits maximum. (Permission of instructor required prior to registration.) **F, S**

*2 hours lecture / 3 hours laboratory*

**ART (ART)**

It is traditional for art departments to hold rights to students' work for use as examples. The Art Department is not responsible for any thefts or damage.

**ART 1000 Introduction to the Arts ..... 3 credits**

An introductory course to the fine arts designed to remove high school deficiency only. Areas of investigation and participation will include art, drama and music. Study will include how to produce or perform works of art, how to analyze, interpret and evaluate artworks, and knowledge of stylistic periods in the arts.

**ART 1030 □ Art Appreciation ..... 3 credits**

Experiencing art - form, meaning and history in visual arts. Lecture-discussion. Especially for non-majors. (formerly ART 1010) **F, S, Su**

**ART 1110 Basic Design I ..... 3 credits**

Studio fundamentals: Development of observational skills and perception of reality. Fundamental aspects of drawing - line, tone, space, form and composition. **F, S**

*2 hours lecture / 4 hours studio*



- ART 1120 Basic Design II** ..... 3 credits  
Studio fundamentals: Two dimensional design. Surface composition and color. (Prerequisite: Non-Art Majors - None; Art Majors - ART 1110) **F, S**  
*2 hours lecture / 4 hours studio*
- ART 1510 Computer Animation I** ..... 3 credits  
Introduction to computer animation. Performance of cuts, fades, and wipes between difference sources and mixing of video images. Video outputs will be produced with emphasis on creativity and aesthetic judgement.
- ART 1520 Computer Animation II** ..... 3 credits  
Development and extension of skills and techniques begun in Computer Animation I. Introduction to digital video effects and various techniques for transition. (Prerequisite: ART 1510)
- ART 1810 School Art** ..... 3 credits  
Objectives of this course are to acquaint the student with studio fundamentals in one subject area, (painting, drawing, sculpture, print making or photo) appropriate to the elementary classroom. Also to furnish the student with information including what materials are necessary for elementary teaching and where to get them. **F, S**
- ART 2040 Art History Survey I** ..... 3 credits  
Western Art I. Survey of major developments in Western Art, with an emphasis on the art of Europe from prehistory through the middle ages. **F, S, Su**
- ART 2050 Art History Survey II** ..... 3 credits  
Western Art II. Survey of major developments in Western Art, with an emphasis on the art of Europe and America from 1400 to the early 20th century. **F, S**
- ART 2110 Studio for Non-Art Majors** ..... 3 credits  
This course is composed of 50 percent studio production in studio (basic design, painting, ceramics, sculpture, or print making) and 50 percent academic research/participation/museum visitation. The offering will change emphasis from production, as for the art major, to an equal emphasis on academic activities. A course which allows the non-art major opportunity to experience a studio of his/her choice without the fear of competing with the art major.
- ART 2210 Photography I** ..... 3 credits  
Introduction to the art of black and white photography. Field and studio shooting, history of photography, basic developing and enlarging techniques. **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2220 Photography II** ..... 3 credits  
Creative 35mm camera and darkroom techniques to emphasize individual expression in the photographic medium. (Prerequisite: ART 2210) **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2410 Ceramics I** ..... 3 credits  
Handbuilding. An introduction to all ceramic handbuilding techniques, including forming methods, glazing, clay preparation, firing, small and large scale pieces. **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2420 Ceramics II** ..... 3 credits  
Throwing. An in-depth investigation of thrown ceramic forms. Functional utilitarian pottery techniques, glazing and firing methods studied. (Prerequisite: 2410) **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2510 Painting I** ..... 3 credits  
Capacities of oil painting on canvas. **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2520 Painting II** ..... 3 credits  
Techniques of expression in oil. (Prerequisite: ART 2510) **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2610 Sculpture I** ..... 3 credits  
Explores basic materials and techniques including stone carving, clay modeling, plaster construction. **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2620 Sculpture II** ..... 3 credits  
Development and extension of skills and techniques begun in Sculpture I. Introduction of metal, wood, and plastics. (Prerequisite: ART 2610) **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2710 Print Making I** ..... 3 credits  
Introduction to screen printing a fine art medium, emphasis upon development and application of various basic stencils in compositional printing. **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2720 Print Making II** ..... 3 credits  
Development and extension of skills and techniques begun in Print making I. Introduction to Intaglio. (Prerequisite: Art Majors - ART 2710; Non-Art Majors - None) **F, S**  
*2 hours lecture / 4 hours studio*
- ART 2990 Art Problems** ..... 3 credits  
Special topics in 1) drawing/painting, 2) ceramics, 3) sculpture, 4) print making, 5) art history, 6) school art. Further study of the capacities in certain disciplines as initiated by either instructor or student. (Prerequisite: Determined by department for each individual; topic may be repeated.) (Permission of instructor required prior to registration.) **F, S**

## ASTRONOMY (ASTR)

- ASTR 1030/1031 Astronomy** ..... 4 credits  
A survey of contemporary astronomy involving topics of current interest; for example, quasars, pulsars, and black holes. Traditional topics on planetary, stellar, and galactic astronomy will be covered. This course reviews research techniques, current knowledge and theory about the planets, stars, galaxies, and the age and origin of the universe. (*formerly PHYS 1015/1016*) **S**  
*3 hours lecture / 3 hours laboratory*

## BANKING (BANK)

- BANK 1010 Principles of Banking** ..... 3 credits  
Presents the fundamentals of bank functions in a descriptive fashion so that the beginning banker may view his chosen profession in a broad (and operational) perspective. The descriptive orientation is intentional. Banking is increasingly dependent upon personnel who have the broad perspective so necessary for career advancement. **As required**
- BANK 2990 Special Problems in Banking** ..... 1-6 credits  
Special topics dealing with banking and financial services. **As required**

**BIOLOGY (BIOL)****BIOL 1010 □ General Biology I ..... 3 credits**

Course dealing with cell structure and functions, osmosis, diffusion, mitosis, meiosis, genetics, plant tissues, chemistry, nucleic acids, protein synthesis, cellular respiration, photosynthesis, ecology, pollution, population problems, survey of bacteria, protists, fungi, and plants. (formerly BIOL 1100) F, Su

3 hours lecture

**BIOL 1011 □ General Biology I Laboratory ..... 1 credit**

Course with laboratory experiments and exercises which correspond to lecture material in BIOL 1010. (formerly BIOL 1110) F, Su

3 hours laboratory

**BIOL 1020 □ General Biology II ..... 3 credits**

Course in biology dealing with animal tissues, the basic structure and physiology of the following human systems: digestion, circulatory, respiratory, excretory, nervous, muscular, integumentary, endocrine, and reproductive. Evolution and survey of the kingdom Animalia are also studied this semester. (formerly BIOL 1200) S, Su

3 hours lecture

**BIOL 1021 □ General Biology II Lab ..... 1 credit**

Course with laboratory experiments and exercises which correspond to lecture material in BIOL 1020. (formerly BIOL 1201) S, Su

3 hours laboratory

**BIOL 1030 Concepts of Biology ..... 4 credits**

A course designed for non-science majors based on the Tennessee Science Curriculum (TSC) Standards for K-8 and NSF standards. Topics include cell structure and functions, energy production, ecology, biological diversity, adaptation, genetics, reproduction, and the human organ systems covered in a constructivism learning environment. Student will design, develop and implement hands-on science activities for K-8 students. F

3 hours lecture

**BIOL 1031 Concepts of Biology Lab ..... 0 credit**

This course will have laboratory experiments and exercises that correspond to lecture material in BIOL 1030. F

**BIOL 1110 □ Organization and Function of the Cell ... 3 credits**

A study of the chemical and physical basis of the cell, including information pertaining to the atom, bonding, macromolecules, and metabolic reactions; cell structure including membranes, cell walls, and internal organelles; energetics, respiration; and molecular biology. Intended for science majors. (formerly BIOL 2140) F

3 hours lecture

**BIOL 1111 □ Organization and Function of the Cell Lab ... 1 credit**

Laboratory experiments and exercises designed to stress basic laboratory skills and procedures such as pipetting and mixing solutions, as well as introducing modern methods for analysis of cell components. Laboratory activities involve gel filtration chromatography, cell fractionation, DNA isolation, DNA fingerprinting using electrophoresis, immunological analysis of ovalbumin, plasmid uptake in bacteria, and cloning techniques in bacteria. Intended for science majors. (formerly BIOL 2141) F

3 hours laboratory

**BIOL 1120 □ Biodiversity ..... 3 credit**

Unifying concepts and principles of biology, illustrated with the diversity of life. Properties of life, molecular basis, origin of life, cells, genetics, introduction to kingdoms, origins of multicellularity, multicellular plants and animals, ideas about evolution, man's place in nature. Emphasis on common themes in living systems (e.g., metabolism, protein and nucleotide sequence similarities, morphology), phylogeny construction, fossils, and the major plant and animal groups. Intended for science majors. (formerly BIOL 2130) S

3 hours lecture

**BIOL 1121 □ Biodiversity Lab ..... 1 credit**

A study of the physical and chemical basis of life including plant and animal classification and histology; photosynthesis; a study of mitosis and meiosis; Mendelian genetics. Experiments and exercises correspond to lecture material in Biodiversity. Intended for science majors. (formerly BIOL 2131) S

3 hours laboratory

**BIOL 1130 □ Population Biology ..... 3 credits**

Principles of population biology including taxonomy and systematics, evolutionary processes, the phylogenetic history of life on earth and population ecology. Intended for science majors. (formerly BIOL 2150) Su

3 hours lecture

**BIOL 1131 □ Population Biology Lab ..... 1 credit**

Laboratory experiments and exercises in population biology designed to correspond to lecture material. (formerly BIOL 2151) Su

3 hours laboratory

**BIOL 2010 □ Human Anatomy & Physiology I ..... 3 credits**

A study of the structure and function of the human body. The topics studied include a general introduction to anatomy & physiology, cells, tissues, basic chemistry, mitosis, meiosis, genetics, osmosis, diffusion, the anatomy and physiology of the skeletal system, the integumentary system, the muscular system, introduction to the nervous system and the CNS and PNS. (formerly BIOL 2310) F, S, Su

3 hours lecture

**BIOL 2011 □ Human Anatomy & Physiology I Lab ..... 1 credit**

A study of the structure and function of the human body with laboratory experiments and exercises which correspond to lecture material in BIOL 2010. (formerly BIOL 2311) F, S, Su

3 hours laboratory



**BIOL 2020** Human Anatomy & Physiology II ..... 3 credits

A study of the structure and function of the human body. The topics studied include fluid and electrolyte balance, the cardiovascular system, the respiratory system, the urinary system, the digestive system, the reproduction system, and the endocrine system. (Prerequisite: BIOL 2010). (*formerly BIOL 2320*) F, S, Su

*3 hours lecture*

**BIOL 2021** Human Anatomy & Physiology II Lab ..... 1 credit

A study of the structure and function of the human body with laboratory experiments and exercises which correspond to lecture material in BIOL 2020. (*formerly BIOL 2321*) S, Su

*3 hours laboratory*

**BIOL 2210** General Botany ..... 3 credits

A study of roots, stems and leaves of seed plants, transport in plants, transpiration, hormones, photosynthesis, cellular respiration, genetics, taxonomy and ecology of major plant groups. S

*3 hours lecture*

**BIOL 2211** General Botany Lab ..... 1 credit

A general botany course with laboratory experiments and exercises to correspond with lecture material in BIOL 2210. S

*3 hours laboratory*

**BIOL 2230** Introduction to Microbiology ..... 3 credits

A survey of microorganisms with emphasis on morphology, growth and pathogenesis of bacteria, fungi and viruses. Human defense mechanisms against disease are emphasized. F, S, Su

*3 hours lecture*

**BIOL 2231** Introduction to Microbiology Laboratory ..... 1 credit

Laboratory exercises designed to demonstrate the distribution, isolation, cultivation, identification, and control of microorganisms. The use of microorganisms in biotechnology will be examined. F, S, Su

*3 hours laboratory*

**BIOL 2530** Food Microbiology ..... 3 credits

Microorganisms in production of foods, in preservation and spoilage and in food-borne diseases. Methods of controlling microorganisms in foods. F

**BIOL 2531** Food Microbiology Lab ..... 1 credit

Laboratory exercises designed to demonstrate the importance of microorganisms in production, preservation and spoilage of food in food-borne diseases. Methods of controlling food-borne microbial diseases will be investigated. F

**BIOL 2610** Genetics ..... 3 credits

A study of heredity with emphasis on Mendelian genetics and its cytological basis; probability theory and statistics as they relate to Mendelian genetics. S

*3 hours lecture*

**BIOL 2611** Genetics Laboratory ..... 1 credit

An introductory course in genetics with laboratory experiments performed with the fruit fly, *Drosophila melanogaster*. S

**BIOL 2910** Independent Study ..... 1-6 credits

A course designed to further the interest and education of students who desire to increase their knowledge and familiarity with a specific biological study area.

**BUSINESS (BUSN)****BUSN 1010** Introduction to Business ..... 3 credits

An orientation program dealing with the basic concepts of operating a business. Major topics include economics, management, marketing, labor relations, and social responsibility. F, S

**BUSN 1290** Professional Development and Business Ethics ..... 3 credits

A course organized around the premise that the techniques and personal qualities students need to find the best possible job in a particular field are identical to those which they must develop as employees. Areas to be covered include: planning for success - goal setting, time management and personal money management; adjusting and growing on the job; communicating - personal effectiveness and group dynamics; nutrition, health and exercise; wardrobe engineering. The course will also heavily emphasize appropriate development of business ethics through simulation exercises and case studies. There are no prerequisites to this course. S

**BUSN 1310** Business Communications & Correspondence ..... 3 credits

Patterns in organization of effective sentence and paragraph structure with emphasis on unity, coherence, word choice, usage, punctuation, spelling and abbreviations as applied to modern business writing problems. Experiences provided in speaking, listening, reading and writing (with main emphasis on writing). F, S

**BUSN 2010** Business Functions ..... 4 credits

Understanding how business works through application and integration of fundamental business functions. Includes aspects of marketing, finance, logistics, operations, organizational behavior, and information management. (Prerequisites: ECON 2110, ACCT 2110, and MGMT 1100. Corequisite: ECON 2210 or MATH 2050) S

**BUSN 2510** Legal Environment of Business ..... 3 credits

A study of the principles of the American legal system as they relate to business; the relationship between law and business ethics and various specific areas of the law as they relate to the conduct of business in our society including tort law, criminal law, the common law of contracts, the Uniform Commercial Code and contracts for the sale of goods, negotiable instruments and commercial paper, the banking system and transactions, bulk sale transfers, secured transactions, real and personal property, bailments, agency, business organizations, government regulation of business, consumer protection, employment relations, insurance, wills and trusts. F, S

**CHEMISTRY (CHEM)****CHEM 1000** Basic Chemistry ..... 3 credits

A study of fundamental chemical concepts with emphasis on applications to agriculture, biology, nursing and the technologies. Designed for students who have not had a thorough high school course in chemistry. S, F, Su

*3 hours lecture*

**CHEM 1001** Basic Chemistry Lab ..... 1 credit

A course for students with limited background in chemistry to do laboratory experiments and exercises in correspondence with lecture material in CHEM 1000. F, S, Su

*3 hours laboratory*

**CHEM 1010** **Introductory Chemistry** ..... 3 credits  
Introductory Chemistry will cover topics dealing with elementary concepts, atomic structure, periodic law, symbols, formula, equations, bonding, gas laws, acids, bases, solutions and equilibria. Will not substitute for CHEM 1110. (formerly CHEM 1310) F, S

3 hours lecture

**CHEM 1011** **Introductory Chemistry Lab** ..... 1 credit  
An introductory laboratory course with experiments and exercises which correspond to lecture material in CHEM 1010. (formerly CHEM 1311) F, S

3 hours laboratory

**CHEM 1020** **Organic and Biochemistry** ..... 3 credits  
Organic chemistry will cover nomenclature, structure, preparation and reaction of the important function groups. Biochemistry will cover carbohydrates, lipids, amino acids, proteins and nucleic acids. (Prerequisite: CHEM 1010) Will not substitute for CHEM 1120. (formerly CHEM 1320) S

3 hours lecture

**CHEM 1021** **Organic and Biochemistry Lab** ..... 1 credit  
A laboratory course with experiments and exercises which correspond to lecture material in CHEM 1020. (formerly CHEM 1321) S

3 hours laboratory

**CHEM 1030** **Concepts of Chemistry** ..... 4 credits  
A course designed for non-science majors based on the Tennessee Science Curriculum (TSC) Standards for K-8 and NSF standards. Topics include atomic structure, bonding, acids, bases, chemical reactions, nuclear chemistry, organic chemistry and introduction to medicinal and household chemistry. Student will design, develop and implement hands-on science activities for K-8 students. S

3 hours lecture

**CHEM 1031** **Concepts of Chemistry Lab** ..... 0 credits  
This course will have laboratory experiments and exercises that correspond to lecture material in CHEM 1030. S

**CHEM 1110** **General Chemistry I** ..... 3 credits  
A study of fundamental concepts and properties of selected elements and compounds. Topics covered are: tools of chemistry; atoms, molecules and ions; chemical reactions I: chemical equations and reactions in aqueous solutions; chemical reactions II: mass relationships; the gaseous state; thermochemistry; quantum theory and the electronic structure of atoms; periodic relationships among the elements; chemical bonding; basic concepts; chemical bonding II: molecular geometry and molecular orbitals; and intermolecular forces and liquids and solids. All developmental math classes must be completed before taking this class. F, S, Su

3 hours lecture

**CHEM 1111** **General Chemistry I Lab** ..... 1 credit  
A study of fundamental concepts and properties of selected elements and compounds with laboratory experiments and exercises which correspond to lecture material in CHEM 1110. All developmental math classes must be completed before taking this class. F, S, Su

3 hours laboratory

**CHEM 1120** **General Chemistry II** ..... 3 credits  
A study of fundamental concepts and properties of selected elements and compounds. Topics covered are: physical properties of solutions; chemical kinetics; chemical equilibrium; acids

and bases; general properties; acid-base equilibria; solubility equilibria; entropy; free energy; and equilibrium; electrochemistry; metallurgy and the chemistry of metals; nonmetallic elements and their compounds; transition of metal chemistry and coordination; nuclear chemistry and organic chemistry; polymers and industrial chemistry. (Prerequisite: CHEM 1110) S, Su

3 hours lecture

**CHEM 1121** **General Chemistry II Lab** ..... 1 credit  
A study of fundamental concepts and properties of selected elements and compounds with laboratory experiments and exercises which correspond to lecture material in CHEM 1120. S, Su

3 hours laboratory

**CHEM 2010** **Organic Chemistry I** ..... 3 credits  
An introductory sequence course in organic chemistry which considers the occurrences, structure, properties, and uses of the more important classes of organic compounds. Concepts such as mechanisms of reactions and the relationships between structure and properties are developed. Topics covered are: carbon compounds and chemical bonds, representative carbon compounds, alkanes and cycloalkanes: conformational analysis, stereochemistry: chiral molecules, ionic reactions: nucleophilic substitution and elimination reactions of alkyl halides, alkenes and alkynes, alcohols and ethers, free radical reactions, conjugated unsaturated systems. (Prerequisite: CHEM 1120) (formerly CHEM 2310) F

3 hours lecture

**CHEM 2011** **Organic Chemistry I Lab** ..... 1 credit  
An introductory sequence course in organic chemistry which considers the occurrences, structure, properties, and uses of the more important classes of organic compounds with laboratory experiments and exercises which correspond to lecture material in CHEM 2010. (Corequisite: CHEM 2010) (formerly CHEM 2311) F

3 hours laboratory

**CHEM 2020** **Organic Chemistry II** ..... 3 credits  
An introductory sequence course in organic chemistry which considers the occurrences, structure, properties, and uses of the more important classes of organic compounds. Concepts



such as mechanisms of reactions and the relationships between structure and properties are developed. Topics covered are: aromatic compounds, electrophilic aromatic substitution, spectroscopy, phenols, aryl halides, nucleophilic aromatic substitution, oxidation and reduction reactions, organometallic compounds, aldehydes, and ketones, carboxylic acids and their derivatives, amines, and synthesis and reactions of  $\beta$ -dicarbonyl compounds. (Prerequisite: CHEM 2010) (*formerly CHEM 2320*) **S**

*3 hours lecture*

**CHEM 2021□ Organic Chemistry II Lab ..... 1 credit**

An introductory sequence course in organic chemistry which considers the occurrences, structure, properties, and uses of the more important classes of organic compounds with laboratory experiments and exercises which correspond to lecture material in CHEM 2020. (Corequisite: CHEM 2020) (*formerly CHEM 2321*) **S**

*3 hours laboratory*

**CHEM 2910 Independent Study ..... 1-6 credits**

This course would consist of the assignment of problems of independent study incorporating previous instruction and would be supervised by the instructor.

## COMPUTER AND INFORMATION SCIENCE (CPSC)

**CPSC 1100 Using Information Technology ..... 3 credits**

This course is designed to assist the student in achieving proficiency in computer applications. The student will demonstrate a working knowledge of word processing, electronic communication and on-line data bases and spreadsheets. **F, S, Su**

**CPSC 1115 Microsoft Word ..... 3 credits**

This course covers the intermediate as well as advanced concepts of MS Word that are required for the Basic and Advanced levels of MOS certification exams. **As required**

**CPSC 1230/1231 Introduction to Programming ..... 3 credits**

A course designed to introduce the concepts of programming. The course will use a visual programming tool such as Microsoft Visual BASIC to introduce procedural/structured programming concepts. The course is designed to introduce programming to students with limited computing backgrounds. **F, S**

*2 hours lecture / 2 hours laboratory*

**CPSC 1235/1236 Visual Basic ..... 3 credits**

Continuation from CPSC 1230. The course covers advanced concepts of programming in Visual Basic including classes and objects, arrays, data control, file management, sorting and searching procedures. (Prerequisite: CPSC 1230 or equivalent) **S**

*2 hours lecture / 2 hours laboratory*

**CPSC 1240 Microcomputer Business Applications ... 3 credits**

This course is designed to convey in-depth knowledge about computer applications involving spreadsheets. Students will work on one or more popular commercially available software packages such as Excel. Topics covered include use of formulas, functions, charts, macros, advanced formatting, multiple worksheets and workbooks, designing forms, importing spreadsheets with other programs, and data analysis. **As required**

**CPSC 1280 Database Applications ..... 3 credits**

This course is designed for those individuals who want to effectively use a current relevant database management software system. Included will be an overview of the software package, use of the package's file management capabilities in creating, loading, joining and maintaining databases, generating reports on the data, and the use of the procedures. The student will also be introduced to the programming capabilities of the software.

**As required**

**CPSC 1290/1291 PowerPoint ..... 3 credits**

This course provides in-depth introduction of using Microsoft PowerPoint. Topics include basic and advanced skills of PowerPoint, the design concepts of creating presentations. **As required**

*2 hours lecture / 2 hours laboratory*

**CPSC 1350/1351 Introduction to  
Computer Science I ..... 4 credits**

An introduction to all aspects of the programming and problem-solving process and the elements of good programming style. A high-level language will be used as vehicle for introducing these concepts. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course. (Prerequisite: CPSC 1230 or four years of high school math) **S**

*3 hours lecture / 2 hours laboratory*

**CPSC 1530/1531 Introduction to  
Computer Science II ..... 4 credits**

Programming in a high-level language with emphasis on structure, algorithms, documentation, and elementary data structures. (Prerequisite: CPSC 1350 or equivalent) **F**

*3 hours lecture / 2 hours laboratory*

**CPSC 2000 Computer Organization ..... 3 credits**

An introduction to Boolean algebra, combinational and sequential circuits. Gate and flip-flop characteristics. An introduction to machine architecture and system components to include memory subsystems and I/O subsystems. An introduction to operating systems including I/O handling, memory management, interrupt handlers, and other system programs, concepts and techniques such as multiprogramming, multiprocessing, virtual storage and virtual machines. Data and instruction representation. Design, implementation and demonstration of combinational and sequential logical functions will be an integral part of the course. (Prerequisite: CPSC 1230 or equivalent) **F**

**CPSC 2010/2011 Assembly Language ..... 4 credits**

An investigation of the assembly language of a modern computer including the instruction set and macros, object code, use of dumps, coding and linkage conventions, addressing techniques, and use of the assembler. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course. (Prerequisite: CPSC 1350 or equivalent) **S**

*3 hours lecture / 2 hours laboratory*

**CPSC 2170/2171 Computer Programming Math/  
Engineering ..... 3 credits**

An introduction to structured programming and problem solving with emphasis on math and engineering applications requiring some knowledge of calculus. Students will design, code and test structured programs using a high level language and the language of a graphing calculator. (Prerequisite: MATH 1910) **S**

*2 hours lecture / 2 hours laboratory*

**CPSC 2290/2291 File Processing ..... 4 credits**

This course will cover advanced programming techniques and file processing. Tape and disk file handling, programming efficiencies, and access methods for sequential, indexed, relative, and direct access fields will be discussed. In addition, operating system, multiprogramming, and memory management concepts will be explored. (Prerequisite: CPSC 1350 or equivalent) **S**

*3 hours lecture / 2 hours laboratory*

**CPSC 2370/2371 System Project ..... 4 credits**

A study of the development and maintenance of Computerized Data Processing Systems. Various system design processes and tools will be covered. Students will complete an extensive computer based project. Activities associated with the project will implement tools discussed in course lecture. (Prerequisite: CPSC 1530 or equivalent) **As required**

*3 hours lecture / 2 hours laboratory*

**CPSC 2770/2771 Data Base Management Systems ... 4 credits**

A study of the structure of data bases and the techniques for managing data bases. Competencies in the use of an existing data base management system will be treated. These competencies will include creating, loading, querying and maintaining data bases, report generation and SQL. (Prerequisite: CPSC 1230 or equivalent) **As required**

*3 hours lecture / 2 hours laboratory*

**CPSC 2820/2821 Cisco Networking Fundamentals .... 3 credits**

The course introduces basic networking terminology, the OSI model, LANs, networking topologies, devices and protocols. Students also learn about cabling, MAC and IP addressing, and wiring. Hands-on labs will involve making cables, setting up mini-networks with hubs, switches, router, patch panels and more. (Prerequisite: knowledge of using computers) **F**

*2 hours lecture / 2 hours laboratory*

**CPSC 2830/2831 Cisco Router Fundamentals ..... 3 credits**

This course introduces TCP/IP protocol, routing protocols, basic routing processes, Access Control Lists and router commands and configuration. Hands-on labs will provide students with access to routers to apply routing processes, commands, configurations and testing. (Prerequisite: CPSC 2820) **F**

*2 hours lecture / 2 hours laboratory*

**CPSC 2840/2841 Cisco Advanced Routers ..... 3 credits**

This course introduces advanced router configuration, advanced LAN switching theory and design and VLANs. Topics include router elements and operations, adding routing protocols to a configuration, LAN segmentation, and advanced switching methods. (Prerequisite: CPSC 2830) **S**

*2 hours lecture / 2 hours laboratory*

**CPSC 2850/2851 Cisco WAN Technologies ..... 3 credits**

This course also introduces WAN theory and design, WAN technology, PPP, Frame Relay. Topics include network congestion problems, TCP/IP transport and network layer protocols, advanced routing and switching configuration and PPP encapsulation operations on a router. (Prerequisite: CPSC 2840) **S**

*2 hours lecture / 2 hours laboratory*

**CPSC 2990 Special Topics ..... 1-4 credits**

Special topics relating to various aspects of data processing and computer science. The course may be repeated for credit with departmental permission. (Prerequisite: Permission of instructor) **As required**

**CRAFTS (CRFT)****CRFT 1040 Craft History I ..... 3 credits**

Craft History is a survey of craft development from the Colonial period through the Industrial Revolution to the present. This course will examine the craft evolution and scope of application for a variety of crafts in today's society.

**CRFT 2210 Blacksmithing and Foundry I ..... 3 credits**

This is an introductory course that demonstrates the basic techniques of blacksmithing and green sand foundry casting. This course will examine practical application in forming molds, casting metals, handforming and welding from the forge.

*2 hour lecture / 4 hour laboratory*

**CRFT 2220 Blacksmithing and Foundry II ..... 3 credits**

This course continues to build the competencies to produce the student's abilities for production of useful craft objects. Emphasis will be placed on individual expression in the design of marketable products. This course will further practical application of metal forming techniques. (Prerequisite: CRFT 2210)

*2 hour lecture / 4 hour laboratory*

**CRFT 2310 Woodcarving and Leather I ..... 3 credits**

This is an introductory course that demonstrates the basic techniques of woodcarving and leathersmithing. This course will examine practical application in additive and subtractive methods for carving basic wood objects. Basic leathersmithing applications for production of wearable leather products will be demonstrated.

*2 hour lecture / 4 hour laboratory*

**CRFT 2320 Woodcarving and Leather II ..... 3 credits**

An in-depth investigation in production of woodcarving techniques. Topics will include finishing and preservation of carved objects. Leathersmithing applications will include design of original craft objects and construction of non-wearable objects. Course will further student's skills in woodcarving and leather. (Prerequisite: CRFT 2310)

*2 hour lecture / 4 hour laboratory*

**CRFT 2410 Blown Glass I ..... 3 credits**

This is an introductory course that demonstrates the basic techniques of glass furnace techniques. This course will examine practical application in blown glass, safety procedures for molten glass, and raw materials survey. Basic designs for objects of production will be emphasized.

*2 hour lecture / 4 hour laboratory*

**CRFT 2420 Blown Glass II ..... 3 credits**

A continuation of Blown Glass I focusing on production, equipment maintenance, product design and production cost. Emphasis is placed on refining skills and knowledge to become a demonstrating craftsman. (Prerequisite: CRFT 2410)

*2 hours lecture / 4 hour laboratory*

## CRIMINAL JUSTICE TECHNOLOGY (CRJT)

(† indicates courses not designed for transfer)

All CRJT courses are offered F, S, Su

### CRJT 1010 Overview of Criminal Justice ..... 3 credits

A philosophy and history of the criminal justice systems, including the role of police, courts, corrections, detention facilities, probation and parole, and related agencies at the local, state, and federal level.

### CRJT 1020 Administrative Concepts in

#### Criminal Justice ..... 3 credits

A study of organizational behavior and administrative techniques from a system perspective with a practical approach.

### CRJT 1030 Basic Firearms Education ..... 3 credits

A basic pistol, rifle and shotgun marksmanship course which will emphasize home firearm use and responsibility and private security firearms training. (BPRS, Specialized Law Enforcement only)

### † CRJT 1040 Special Weapons and Tactics ..... 3 credits

This course relates to the positive tactics officers can employ on the street to effectively use their own firearms to defeat those of assailants. The mental, tactical, weapons selection, protective equipment, and force edge for special police situations involving injury or death to police and civilians is addressed. (Specialized Law Enforcement only)

### CRJT 1050 Hostage Negotiations ..... 3 credits

This is a basic course designed for officers who respond to hostage situations as a team member. A separate course - Advanced Hostage Negotiations - is required for the "Command Negotiator". This course includes: approach to hostage situations, principals of negotiations, and team positions and duties. (Specialized Law Enforcement only)

### † CRJT 1060 Advanced Hostage Negotiations ..... 3 credits

This course includes a number of role playing exercises, practices involving Command Post, S.W.A.T., negotiation team coordinator and decision making, as well as, demonstrations and applications of specialized communication and document equipment. (Specialized Law Enforcement only)

### † CRJT 1080 Field Training Officer ..... 3 credits

This course is designed to predict, in an unbiased method, whether a recruit is likely to become a competent police officer and document that prediction before the recruit probationary period ends. (Specialized Law Enforcement only)

### CRJT 1090 Police Executive Development ..... 3 credits

This course is designed to better prepare present or potential administrators or supervisors with the desire to develop into more effective police managers. (Specialized Law Enforcement only)

### CRJT 1100 Man Tracking ..... 3 credits

Tracking is the knowledge of knowing what to look for after a person has gone through an area. Tracking today is mainly used for lost persons or fleeing fugitives. Good trackers do not have to be descended from mountain men nor be part Indian. Good trackers are not born – they are trained and then practice for many years. (Specialized Law Enforcement only)

### † CRJT 1120 D.U.I. Enforcement and

#### Sobriety Testing ..... 3 credits

This course is designed to instill in the officer the skills of detection of persons driving a motor vehicle while under the influence of alcohol or drugs and the documentation of evidence to be used at a later trial of criminal action. (Specialized Law Enforcement only)

### † CRJT 1130 Defensive and Tactical Driving ..... 3 credits

The course is designed to instill in officers the knowledge and skills of vehicular defensive, tactical, and pursuit driving. The decision to engage, terminate, or use alternate methods of apprehension and the legality of each is emphasized. (BPRS, Specialized Law Enforcement only)

### CRJT 1140 Sects, Cults, and Deviant

#### Behavior Groups ..... 3 credits

This course is designed to familiarize law enforcement officers with illegal groups of persons and individuals who actively participate in deviant behavior involving sects and cults.

### † CRJT 1150 K-9 Handlers ..... 3 credits

This course is designed to upgrade present K-9 teams and keep certification current and includes vehicle stop procedures, building search methods, tracking and outdoor searches, narcotics detection, and fleeing suspect apprehensions. (Specialized Law Enforcement only)

### † CRJT 1160 Police Instructor Development ..... 3 credits

This course is designed to prepare officers to plan and evaluate instructional objectives, organize subject matter, and communicate these principals to the classroom so that students understand and absorb the subject matter presented. (Specialized Law Enforcement only)

### CRJT 1170 Commercial Vehicle Accident

#### Investigation ..... 3 credits

This course is designed for the investigation of all types of commercial vehicle accidents. This includes but is not limited to tractor trailer units and buses. It also covers Hazmat concerns. It is recommended to take Advanced Accident Investigating before taking this course.

### CRJT 1180 Critical Incident Management ..... 3 credits

This course is designed for those officers who by virtue of their positions will be responsible for dealing with unusual circumstances, either natural or man-made. These unusual circumstances would include such things as civil disturbances, major events, natural disasters, or unusual criminal actions. The course will enable the officers to set forth procedures to be utilized in preparing and implementing a plan or plans to deal with these unusual circumstances. (Specialized Law Enforcement only)

### CRJT 1190 Internal Affairs/Background

#### Investigation ..... 3 credits

This course is designed to provide the basic methods of conducting a fair and thorough internal or background investigation. (Specialized Law Enforcement only)

### † CRJT 1210 Traffic Accident Investigation ..... 3-6 credits

This is a comprehensive course in traffic accident investigation to include determination of points of impact; road, vehicle, and driver conditions; and interpretation of marks on the road surface at accident scenes.

**CRJT 1200 Dignitary Protection .....3 credits**

This course provides instruction on developing and implementing a dignitary security protection plan or participating as a member of a protection detail. Curriculum addresses such issues as: identifying threats; organizing and operating a motorcade; providing in-transit and site security; and identifying individual team member responsibilities. Instruction includes both classroom lecture and field exercises. Students will plan, conduct and participate in a mock dignitary protection detail at the conclusion of the course. **F, S, Su**

**† CRJT 1220 Advanced Traffic Accident**

**Investigation ..... 6 credits**  
A study of traffic accident fundamentals with special in-depth focus on how to recognize, interpret and prepare physical evidence for further use in traffic accident reconstruction. (Specialized Law Enforcement only)

**CRJT 1230 Domestic Terrorism .....3 credits**

This course will introduce students to the study of terrorism, and will provide a basic knowledge of the history of terrorism as well as explore contemporary terrorism events. The course will review major theories and organizations in the field of domestic and international terrorism. **F, S, Su**

**† CRJT 1240 Basic Bike Patrol ..... 3 credits**

This course is designed to teach officers how to carry out routine patrol responsibilities on a bicycle. The officers will learn how to ride safely and comfortably in traffic, off-road, and in the various conditions the officers are likely to experience while on patrol. This course will be particularly applicable to those departments that are committed to community-oriented policing. (Specialized Law Enforcement only)

**† CRJT 1250 Basic Law Enforcement Chaplaincy ..... 1-3 credits**

A study of the responsibilities and procedures of law enforcement chaplains. Special attention is given to human relations and interaction within the law enforcement profession.

**CRJT 1260 Report Writing for Public Safety .....3 credits**

Theory of and practice in the writing of technical letters and reports for public safety students. Topics include: how to structure writing and technical aids, such as graphics, diagrams, statistics, and illustrations for various job requirements. Students will receive experience in writing for their particular technical field. (Specialized Law Enforcement only)

**CRJT 1270 School Resource Officer .....3 credits**

This course will deal with the history of the School Resource Officer Programs, their impact, future and day-to-day applications. It will enable departments to set up and implement their own School Resource Officer Program. (Specialized Law Enforcement only)

**CRJT 1280 Fingerprint Technology .....3 credits**

This course will deal with all aspects of fingerprint techniques including identification, collection, preservation and court testimony.

**CRJT 1290 1st Line Supervisors .....3 credits**

This course will provide the participants with the knowledge and skills necessary to carry out the functions and duties of a first line supervisor as an effective manager. It is designed for those officers recently promoted or those about to be promoted. (Specialized Law Enforcement only)

**CRJT 1300 Hazardous Devices and Booby Traps .....3 credits**

This will be an officers' safety course to familiarize the participants with hazardous devices and booby traps that may be encountered on patrol, during a law enforcement career. (Specialized Law Enforcement only)

**CRJT 1320 Criminal Justice Work with Juveniles ..... 3 credits**

A study of youth crimes and techniques used by police and courts in prevention and control; a review of the Tennessee Juvenile Code; and community service agencies providing services to delinquents.

**† CRJT 1340 Talking Hands ..... 3 credits**

This course is designed to create departmental instructors in field communication utilizing "Talking Hands." Each student will receive two certificates: one for communicating with the deaf and hearing impaired and the second certificate will be for "Talking Hands" for the patrol officer. In addition, each student will receive two video tapes. (Specialized Law Enforcement only)

**CRJT 1350 Community Policing ..... 3 credits**

This course focuses on community policing in regard to the police responsibility and working relationships with the community, churches, schools, civic organizations, youth and juvenile population, and the minority groups.

**CRJT 1360 Pedestrian Car Collision .....3 credits**

This course will develop a technical understanding of pedestrian dynamics and behavior and be able to recognize, interpret, and prepare physical evidence for identifying vehicle, medical and pedestrian behavior during collisions. (Prerequisite: CRJT 1210 and an understanding of basic accident investigation math.) (Specialized Law Enforcement only)

**CRT 1380 Ethics for Law Enforcement ..... 3 credits**

This course provides the law enforcement officer with a perspective on ethics as related to proper decision making in ethical dilemma situations that are often found in law enforcement. Included will be the tools to deal with real world ethical issues that officers are likely to face on the street.

**CRJT 1390 Advanced Crime Scene ..... 3 credits**

This class will take the instruction given in the basic crime scene class and expand on that information. There will be technical up-dates as well as a lot of hands-on practical exercises.

**CRJT 1400 Mid Management ..... 3 credits**

This class is designed for those officers who are in mid management level positions - sergeants, lieutenants, and captains or those about to be promoted to these levels. It will cover all aspects of management and supervision. (Specialized Law Enforcement only)

**CRJT 1430 Fire/Arson Investigation ..... 3 credits**

This course is designed to instill in the investigator a working knowledge of the elementary chemistry of combustion, the nature and behavior of fire, combustion properties of liquid, gaseous, and solid fuels. The sources of ignition in structure fires, and fires of grassland, timber lands, automobile and ship fires, fire ignition sources such as electrical, chemical, lightning, spontaneous combustion, and their effects on wood, cloth, or petrol, as a source of ignition. Arson law and elements of proof. (Specialized Law Enforcement only)

**CRJT 1450 Questionable Documents ..... 3 credits**

This class is designed to enable officers to learn about a handwriting analysis, investigations, forgeries, bad checks and all other forms or altered documents.



- CRJT 1510 Criminal Law and Procedures ..... 3 credits**  
A study of the U.S. Constitution and the Tennessee Code Annotated and relevant cases and court decisions impacting the laws of arrest, search, seizure, the admission of evidence into the legal system, detention, interrogation, criminal court procedures, indictments, and the criminal process. (Includes previous courses CRJT 1520, Criminal Statute Law and CRJT 2530, Rules of Evidence as listed in the 1993-94 WSCC Catalog.)
- CRJT 1540 Police Civil Liability ..... 3 credits**  
The primary objective of this course is to instill a working knowledge with Police Administrators and Line Supervisors. The basis for civil liability incidents which generate liability, explore ways of protecting the officer, and instill positive steps to be taken to prevent police actions that lead to civil liability lawsuits brought against police. (Specialized Law Enforcement only)
- CRJT 1610 Probation and Parole ..... 3 credits**  
A study of the functions and duties of a probation and/or parole officer including the short and long range effects of probation and parole on convicted offenders.
- † CRJT 1710 Firearms Instructor School ..... 3 credits**  
This course is designed to develop departmental firearms instructors that meet P.O.S.T. certification. Special emphasis will be placed upon the proper shooting techniques and care of weapons carried on a daily basis by officers working in the field. (Specialized Law Enforcement only)
- † CRJT 1720 Physical Defense Tactics ..... 3 credits**  
This course is designed to teach the student to defend him/herself or to take actions designed to subdue and apprehend a suspect with less than lethal force. (Specialized Law Enforcement only)
- † CRJT 1730 Street Survival Tactics ..... 3 credits**  
This course is designed to prepare law enforcement officers for the hazards encountered in high risk situations while enforcing the law. These tactics are directed at officers working alone or in pairs when suddenly confronted with a decision on how to react to a hazardous encounter prior to back-up arriving. (Specialized Law Enforcement only)
- † CRJT 1740 PR-24 Police Baton Instructor Course ..... 3 credits**  
This course provides instructor certification for teaching the use of the PR-24 police baton. Course content includes: nomenclature, use of legal force, basic positions, blocks, jabs, yawara strikes, chops, spinning techniques, take downs, retaining control, and vital body centers. (Specialized Law Enforcement only)
- † CRJT 1790 Radar Instructor ..... 3 credits**  
This course is designed to prepare participants to become proficient in the use of police radar and to develop skills sufficiently to conduct radar training to other members of their agency. Course content includes: characteristics of different types of radar, Doppler principle, legal requirements in radar use, erroneous reading situations, policy and procedures for radar operators. (Specialized Law Enforcement only)
- CRJT 1820 Protective Services ..... 3 credits**  
A review of the role of the private security agencies' protective services that will include a determination of the applicability of civil and criminal law and civil liability along with basic competency development in emergency procedures, self defense tactics, use of deadly force, firearms use and maintenance, and firearms use proficiency.
- CRJT 1840 Private Investigations ..... 3 credits**  
Discussion of proper methods utilized in conducting private investigations. In addition, the course is designed to familiarize the student with procedures utilized in obtaining a license for private investigation in the state of Tennessee.
- † CRJT 1920 Technical Police Photography and Video Production ..... 3 credits**  
This course is designed to prepare officers assigned to photograph or video tape evidence for court presentation and law enforcement applications. Course includes: camera functions, fingerprint photography, surveillance photography, infrared photo, and courtroom applications.
- CRJT 1930 Advanced Street Survival ..... 3 credits**  
This course is designed to expand upon the lessons learned in the Basic Street Survival Tactics class. In addition to tactics for high risk patrol situations, officers will also be introduced to Rapid Response to the Active Shooter and Quick Action Deployment (QUAD) techniques. (Specialized Law Enforcement only)
- CRJT 1990 Transition to Law Enforcement ..... 3 credits**  
This transition course is designed for law enforcement graduates from Tennessee state-approved academies. It is designed to assess and evaluate the students' knowledge and associated skills required in law enforcement. Students who successfully complete this course may receive equivalent college credit from Walters State Community College for selected courses completed at their respective academy. The credit may be applied toward the degree of associate of applied science with a concentration in law enforcement. (Specialized Law Enforcement only)
- CRJT 2110 Interview and Interrogation Techniques ..... 3 credits**  
This course is designed to familiarize the law enforcement officer with the kinesics technique of obtaining verbal statements and reducing those verbal statements to the proper style to be submitted as evidence in a court of law. (Specialized Law Enforcement only)
- CRJT 2120 Advanced Interview and Interrogation ..... 3 credits**  
This course is designed to use the basics of CRJT 2110 in specific situations involving role planning and actual interview. (Prerequisite: CRJT 2110. Specialized Law Enforcement only)
- CRJT 2130 Crime Scene Specialist ..... 3 credits**  
This course is designed to train and prepare participants to become skilled in the recognition, discovery, processing, preservation, collection, and transmission of physical evidence found at the scene of the crime. Course includes photography, sketching, fingerprinting, marking, chain of custody, collection methods, sources of physical evidence, transmission to the laboratory, and testifying in court.
- CRJT 2140 Criminal Investigation ..... 3 credits**  
The methods of interviews, interrogations, admissions, confessions, written statements, criminal case report writing, and evidence evaluation.
- CRJT 2150 Child Sex Abuse Investigation ..... 3 credits**  
The role of the police investigator working complaints of child sexual abuse and child neglect and assisting in the prosecution of these offenses in both civil and criminal court.
- CRJT 2170 Narcotics and Dangerous Drugs ..... 3 credits**  
This course will familiarize law enforcement officers with illegal drug identification, apprehension of offenders, legal options, case reports, and prosecution of violators. (Specialized Law Enforcement only)

**† CRJT 2180 Auto Theft Investigation ..... 3 credits**

The course is designed to assist the investigator in conducting auto theft investigations based on current laws, resource agencies, and proven identification and investigative techniques. Also, the introduction to the N.A.T.B., V.I.N., salvage laws, and legal aspects. (Specialized Law Enforcement only)

**CRJT 2190 Homicide and Death Investigation ..... 3 credits**

This course is designed to provide conventional information to the officer charged with the profound responsibility of conducting an intelligent homicide investigation. The course of instruction will cover the entire sequence of events which occur in a homicide. (Specialized Law Enforcement only)

**† CRJT 2210 Traffic Accident Reconstruction ..... 6 credits**

An advanced course dealing with the reconstruction of traffic accident scenes. Mock traffic accident scenes investigations are conducted by students. Application of photography, measurements, accident causation, evidence, and reconstruction of traffic accidents based on interpretation of vehicle, road, and driver conditions. (Specialized Law Enforcement only)

**CRJT 2220 Organized Crime ..... 3 credits**

A study of the nature, history, and theories of organized crime, together with the criminal justice response. This includes an evaluation of the investigation, prosecution, defense, and sentencing of organized criminals to date.

**CRJT 2230 Electronic Surveillance ..... 3 credits**

This course is designed to acquaint officers with all the current techniques in surveillance and counter-surveillance. The course will include foot surveillance, motor vehicle surveillance, and the use of air surveillance. The emphasis, however, will be on the use of technical electronic surveillance equipment. The course will consist of hands-on demonstrations, exercises, and practicums. This will not include telephone intercepts and non-consensual microphones. (Specialized Law Enforcement only)

**CRJT 2240 Advanced Criminal Investigation ..... 3 credits**

This course is designed to expand basic methods and concepts of CRJT 2140 into specific types of crime common to East Tennessee law enforcement. (Prerequisite: CRJT 2140 Specialized Law Enforcement only)

**† CRJT 2250 Advanced Bike Patrol ..... 3 credits**

This course builds on the fundamentals taught in the basic course and enhances the knowledge, skills, and abilities of the bicycle officer. (Specialized Law Enforcement only)

**CRJT 2270 Serial Killers/Pathological Maturity ..... 3 credits**

This course will familiarize the student with the background of serial killers and violent youth. The course will demonstrate the correct method of investigating such matters.

**CRJT 2280 Domestic Violence ..... 3 credits**

A study into violence, focusing on physical, sexual, and emotional abuse in the family and society.

**CRJT 2290 Gangs ..... 3 credits**

This course will address gang cultures and profiles with emphasis on how and why kids are lured into gangs, showing the efforts of law enforcement and the communities to combat the trend.

**CRJT 2450 Advanced Tactical Driving ..... 3 credits**

This course is designed to prepare officers with the tactical knowledge and practical skills to execute advanced vehicle maneuvers as they pertain to law enforcement operations relating to response to critical incidents and pursuit situations. Officers will become acquainted with alternate solutions to apprehensions and discuss the liability associated with these types of situations. Prerequisite: Student must have completed CRJT 1130 (Defensive and Tactical Driving) (Specialized Law Enforcement only)

**CRJT 2460 Driver Instructor Training Program ..... 3 credits**

This course is designed to prepare officers to plan and evaluate instructional objectives and student outcomes, organize subject matter, and communicate these principles as they pertain to public safety, and private sector driver training. Prerequisite: Student must have completed CRJT 1130 (Defensive and Tactical Driving) (Specialized Law Enforcement only)

**CRJT 2550 Correctional Operations and**

**Procedures ..... 3 credits**  
Prisoners' constitutional rights, access to counsel, legal advice and materials, cruel and unusual punishment, probation and parole, denial of civil rights, equal protection of the laws; and principles and practices applied to administration, operation, and management of adult correctional facilities on the city, county and state level. (Includes previous courses CRJT 2550, Correctional Detention Law, and CRJT 2720, Correctional Institute Administration as listed in 1993-94 WSCC Catalog.)

**CRJT 2790 Advanced Radar Instructor ..... 3 credits**

This course will build on the basic Radar Instructor course. It is specifically designed to create certified radar instructors. The officers will be able to return to their departments to train other officers in the use of different types of radars. (Specialized Law Enforcement only)

**CRJT 2910 Law Enforcement Procedures and**

**Techniques ..... 3 credits**  
A study of the courses as listed by Peace Officers Standards and Training Commission including pistol range qualifications. This course is limited to active duty Criminal Justice personnel. This course is designed as a police in-service annual refresher course to update the officers in case law, patrol, firearms qualification, and current problems in the Criminal Justice field. There will be a minimum of 45 contact hours with the student. (Prerequisite: must be a full-time criminal justice employee or be approved by the Criminal Justice Technology Director) (Specialized Law Enforcement only)

**CRJT 2920 Law Enforcement Procedures for Reserves ..... 3 credits**

This course is designed to fulfill the Peace Officer Standards and Training Commission requirements for reserve/auxiliary officer field actions and procedures. Course includes: equipment selection, duties and authority, searches, roadblocks, transporting prisoners, report writing, interviews, use of force and firearms safety. (Specialized Law Enforcement only)

**† CRJT 2930 Basic Law Enforcement Procedures and Techniques ..... 3 credits**

This course is designed for those persons seeking to become a law enforcement professional. The course's primary focus will involve police patrol procedures. Upon completion, the student will be capable of conducting traffic accident investigation and various types of patrol and observation techniques.

The student will be proficient in survival tactics, response to crimes in progress and traffic control. The student will be able to perform crime scene and evidence protection and gathering to include chain of evidence. The student will demonstrate effective communication procedures and become familiar with child sexual abuse investigation. (For Basic Police Recruit School Students Only)

† **CRJT 2940 Emergency Dispatcher** ..... 3 credits  
A public safety communications course designed for telecommunicators who receive public calls for emergency service over 911 or traditional seven-digit lines and the radio dispatchers who send police, fire or medical assistance.

**CRJT 2970 Research in Criminal Justice** ..... 3 credits  
A course to teach research methods/techniques in the criminal justice area and to build criminal justice research projects.

**CRJT 2980 Current Issues of Public Safety** ..... 1-2 credits  
This course is designed with the flexibility to stimulate discussion and to expose the student to contemporary issues and related solutions regarding public safety problems. The course uses current electronic and written media information as resource material.

**CRJT 2990 Special Topics in CRJT** ..... 1-6 credits  
An individually assigned field service activity relative to the criminal justice field.

## CULINARY ARTS (CULN)

**CULN 1400 Introduction to the Personal Chef Career** ..... 1 credit  
Introduction to the responsibilities of a personal chef and the personal characteristics necessary to become a personal chef. **As required**

**CULN 1410 Sanitation and Safety for Personal Chefs** ..... 1 credit  
Covers codes and health concerns that are necessary to operate a successful personal chef business. The National Food Safety Professionals Association certified examination will be given at the conclusion of the class and a certificate will be awarded to each student who passes the examination. **As required**

**CULN 1420 Personal Chef Production** ..... 2 credits  
A hands-on cooking course which includes terminology, basic knife skills, sauce skills, and basic cooking procedures. Emphasis will be placed on preparing full meals. Recipe testing procedures will be included to allow students to develop recipes which can be utilized in their own businesses. **As required**

**CULN 1490 Personal Chef Internship** ..... 1 credit  
This course will allow students to practice what they have learned in all personal chef courses. Students will be given a chance to design a menu, shop for the ingredients, and prepare the menu for a family. **As required**

**CULN 2100 Sanitation and Safety** ..... 2 credits  
Proper sanitation techniques for the food service industry. Special emphasis will be placed on proper food handling techniques. Topics covered include: food-borne illnesses, proper cooking, handling and storage of food, correct temperatures to prevent food contamination, and safe personal hygiene for food handlers. **F, S**

**CULN 2200 Nutrition and Menu Planning** ..... 3 credits  
Basic nutritional principles and dietary requirements. The basic nutrients, carbohydrates, lipids, proteins, minerals and vitamins are covered. Menu planning, utilizing knowledge of nutrition and cost will be emphasized. **F, S**

**CULN 2210 Dining Room and Banquet Management** ... 3 credits  
The emphasis of this course is on the service aspects of a business that will distinguish an outstanding dining experience. It includes the history of dining room and banquet service, the proper techniques of service, sanitation requirements, and important merchandising concepts. Information about reservations, priority seating, and reservations systems is also included. (Prerequisite: None) **F, S**

**CULN 2310 Culinary Arts I** ..... 3 credits  
Beginning culinary skills such as knife skills and basic cooking methods. Study and preparation of each food category including meats and poultry. Practice of weights, measures, recipe conversion and good costing skills. (Prerequisite or corequisite: CULN 2100) **F, S**  
*1 hour lecture / 4 hours laboratory*

**CULN 2320 Culinary Arts II** ..... 3 credits  
A continuation of Culinary Arts I. More advanced and in-depth coverage of recipe costing, conversion and preparation including menu design and application. (Prerequisites: CULN 2100, 2310) **F, S**  
*1 hour lecture / 4 hours laboratory*

**CULN 2330 Culinary Arts III** ..... 3 credits  
Implementation of Culinary Arts I and II skills in a production kitchen setting for full service dining customers, including menu selections and recipe applications. (Prerequisites: CULN 2100, 2310, 2320) **F, S**  
*1 hour lecture / 4 hours laboratory*



**CULN 2350 American Regional Cuisine ..... 3 credits**

Students will learn the vast diversity of high quality ingredients available in the United States. These ingredients, combined with America's varied cultures and colorful history, have led to creative and purposeful cuisines which will be studied and prepared in this course. The skills learned in this course are authentic and unique to each region. (Prerequisites: CULN 2100, 2310, 2320, 2330) **F**

*1 hour lecture / 4 hours laboratory*

**CULN 2360 Advanced Cuisines ..... 3 credits**

Implementation of Culinary I and Culinary II skills in a production kitchen setting to include a variety of European and International cuisines. The course is designed to give students an introduction to and hands-on experience in cooking the major cuisines of the world with the exploration of the ingredients and seasonings used in the preparations of each cuisine. (Prerequisite: CULN 2320) **F, S**

**CULN 2400 Bakery Skills ..... 3 credits**

An introduction to the basic principles of baking including formula procedures, properties of baking ingredients, and function and proper use of equipment. Students will prepare breads, rolls, pies, quick breads, cakes, icings and puff pastries. (Prerequisite: CULN 2100) **F, S**

*1 hour lecture / 4 hours laboratory*

**CULN 2410 Advanced Baking and Pastry Skills ..... 3 credits**

Baking skills are polished as students learn more difficult baking, pastry and dessert techniques. Emphasis is placed on presentation, plating and appearance. The production of high skill, high quality finished products is emphasized with special attention to chocolate work, plate presentation, cold and hot preparations. Souffl es, caramelized sugar spirals and creative and flavorful designs exemplify this course. (Prerequisite: CULN 2100, 2400) **F, S**

*1 hour lecture / 4 hours laboratory*

**CULN 2420 Artisan and Specialty Breads ..... 3 credits**

This course provides an advanced study in the art of bread making. Topics include relevant formulas and techniques associated with naturally leavened loaves, hearth breads, focaccia, flat breads, and other breads utilizing a variety of grains. The students will be taught the steps to produce artisan and specialty breads that meet or exceed the expectations of the consumer. (Prerequisite: CULN 2100) **S**

*1 hour lecture / 4 hours laboratory*

**CULN 2430 Chocolate Skills ..... 3 credits**

An intermediate course covering all aspects of chocolate work. Students will learn the types of chocolate, principles of tempering, molding and centerpiece sculpturing. Many varieties of uses with chocolate in baking and individual pastries will be taught. **As required**

*1 hour lecture / 4 hours laboratory*

**CULN 2440 Art of Decorating Cakes ..... 3 credits**

This course teaches the methods of icing cakes, all piping techniques, flower making and writing on cakes. In this class you will also learn how to make theme cakes and wedding cakes. Basic icing techniques will also be taught. **As required**

*1 hour lecture / 4 hours laboratory*

**CULN 2450 Confection Artistry ..... 3 credits**

This course introduces the principles and techniques of decorative sugar work and confectionary candy. Topics include nougat, marzipan modeling, pastillage, confection candy and a variety

of sugar techniques. After this course students will know the techniques to prepare edible centerpieces and confections to enhance buffets and plate presentations. (Prerequisites: CULN 2100, 2400, 2410)

*1 hour lecture / 4 hours laboratory*

**CULN 2460 European Cakes and Tortes ..... 3 credits**

The course will introduce the student to a wide variety of classical and modern cakes suitable for restaurant, retail shops and large-scale production. Emphasis is placed on advanced techniques of mixing, filling, glazing and icing. In this course students will prepare a variety cakes/tortes, including Dobos, Sacher, and Linzer tortes and Black Forest cake. (Prerequisites: CULN 2100, 2400, 2410)

*1 hour lecture / 4 hours laboratory*

**CULN 2470 Culinary Cafe and Bake Shop ..... 1 credit**

Students will focus on speed, quality production, and teamwork. Hot Food students will take on different roles in the cafe operation producing lunch meals. Baking and Pastry students will be responsible for producing baked goods for the foodservice operation. Students will learn how to prepare menus, requisitions and to cost out production. Documentation approved by the culinary arts director must be on file prior to beginning the internship. (Permission of culinary instructor) **F, S**

**CULN 2510 Hot and Cold Desserts ..... 3 credits**

This course covers the principles and techniques of sorbets and ice creams, souffl es, cobblers, crisps and strudel dough products. Topics include baked Alaska, bombes, sherbets, crepes and hot and cold souffl es. Students will prepare hot and cold desserts with suitable sauces and garnishes. (Prerequisites: CULN 2100, 2400, 2410)

*1 hour lecture / 4 hours laboratory*

**CULN 2550 Garde-Manger and Catering ..... 3 credits**

Preparation of basic garnitures, gelatins, aspics, pates, forcemeats, cold soups, salads, and dressings are included in this course. Catering techniques such as large food production and buffet presentation. Off premise production, including tools and equipment used in Garde Manger, will also be discussed. (Prerequisite: CULN 2320) **F**

*1 hour lecture / 4 hours laboratory*

**CULN 2600 International Cuisine and Buffets ..... 3 credits**

International cuisine from around the world such as French, Spanish, Chinese, and Mexican will be included in this course. Emphasis will be placed on preparing a buffet with decorations from the featured country. Basic buffet set up and procedures will be included. (Prerequisites: CULN 2100, 2310, 2320, 2330) **S**

*1 hour lecture / 4 hours laboratory*

**CULN 2710 Plated Desserts and Presentations ..... 3 credits**

The essential elements of plated desserts are taught in detail. The students are taught to strive for a well-balanced presentation. The course emphasizes the importance of the required time and patience for yielding breathtaking results. The students are exposed to methods of production that result in dramatic presentations in quantity. (Prerequisites: CULN 2400, 2410, 2440) **S**

*1 hour lecture / 4 hours laboratory*

**CULN 2910 Culinary Internship I ..... 1 credit**

Culinary internship offers students the opportunities to learn from all areas of restaurant operations, catering events and menu development. Students participate in department inventory control and as class assistants in other culinary classes. Students

can pursue internships in restaurants, catering companies, pastry shops, bakeries, resorts, food retail, non-commercial operations and a variety of many other food service businesses. Documentation approved by the culinary arts director must be on file prior to beginning the internship. Documentation approved by the culinary arts director must be on file prior to beginning the internship. (Pre or corequisite: CULN 2100) **F, S**

**CULN 2920 Culinary Arts Internship II ..... 1 credit**  
A continuation of CULN 2910 Culinary Arts Internship I (Pre-requisite: CULN 2910) **F, S**

**CULN 2990 Special Problems in Culinary Arts A .... 1-6 credits**  
Special topics and projects in culinary arts. **As required**

**CULN 2991 Special Problems in Culinary Arts B ..... 1 credit**  
Special topics and projects in culinary arts.

**CULN 2992 Special Problems in Culinary Arts C ..... 1 credit**  
Special topics and projects in culinary arts.

## DANCE (DANC)

**DANC 1030 Introduction to Dance ..... 3 credits**  
A survey of dance from primitive to the present with emphasis on understanding and appreciating the physical and aesthetical nature of the art form.

**DANC 1530 Ballet I ..... 2 credits**  
Instruction and practice in elementary classical ballet techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1530)

**DANC 1535 Ballet II ..... 2 credits**  
Instruction and practice in intermediate classical ballet techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1535)

**DANC 1540 Jazz I ..... 2 credits**  
Instruction and practice in elementary classical jazz techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1540)

**DANC 1545 Jazz II ..... 2 credits**  
Instruction and practice in intermediate classical jazz techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1545)

**DANC 1550 Modern Dance I ..... 2 credits**  
Instruction and practice in elementary classical modern dance techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1550)

**DANC 1555 Modern Dance II ..... 2 credits**  
Instruction and practice in intermediate classical modern dance techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1555)

**DANC 1560 Tap Dance I ..... 2 credits**  
Instruction and practice in elementary classical tap dance techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1560)

**DANC 1565 Tap Dance II ..... 2 credits**  
Instruction and practice in intermediate classical tap dance techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1565)

**DANC 1570 Clogging ..... 2 credits**  
Instruction and practice in elementary classical clogging techniques. May be repeated. Maximum 4 hours. (Equivalent to PHED 1570)

**DANC 2010 Dance for the Theatre ..... 3 credits**  
Techniques of dance for musical, comedy, opera, television, style, and choreography for these forms. (Prerequisites: DANC 1535, 1545, 1555, 1565 or equivalent)

**DANC 2020 Choreography ..... 3 credits**  
Explanation of movement technique sequences, and choreographic forms. Basic elements of notation. (Prerequisites: DANC 1550, 1555, 2010)

**DANC 2500 Dance Production ..... 1 credit**  
Supervised production work and practical exercises in all aspects of dance relating to the mounting of a performance for presentation. Course may be repeated for credit.

**DANC 2990 Dance Problems ..... 1-3 credits**  
A course featuring in-depth study in the field of dance. The course may be repeated for credit provided the theme is not repeated. Prior approval of instructor is required.

## DSPM (See Mathematics)

## DSPR (See Reading)

## DSPS (See Education)

## DSPW (See English)

## EARLY CHILDHOOD EDUCATION (ECED)

**ECED 1010 Introduction to Early Childhood**

**Education ..... 2 credits**  
An introduction to the early childhood education profession including an emphasis on professionalism and developmentally appropriate practice. Includes an overview of history of early education, theoretical program models, different types of early childhood programs, community resources, professional organizations, and contemporary trends and issues in programs for children ages birth to nine. Field experiences required. **F**

**ECED 2010 Safe, Healthy Learning Environments .... 3 credits**  
A study of the basic principles and practices of safety, health and nutrition as they relate to the early childhood setting, home, and community for children ages birth to nine. Also included is a study of principles of creating appropriate learning environments for young children. Field experiences required. **F, S**

- ECED 2015 Early Childhood Curriculum ..... 3 credits**  
A study of developmentally appropriate practices and the teacher's role in supporting development of young children ages birth to nine. An emphasis on curriculum planning including goals, environment, roles of teachers and parents, materials, and settings. Field experiences required. **F, S**
- ECED 2020 Infant, Toddler, Child Development ..... 3 credits**  
The study of the physical, cognitive, social, and emotional aspects of young children and their application to the care, guidance, and development of the child from birth to nine. Laboratory observation and interaction. **S**
- ECED 2030 Infant and Toddler Care ..... 3 credits**  
A course on the care and education of infants and toddlers, birth to age three in group settings (i.e. child care centers, family child care homes, Early Head Start). Includes rationales and strategies for supporting the whole child including cognitive, language, social-emotional, and physical development in a safe, responsive environment. Emphasis is on relationship-based care and education with special attention to the unique environmental aspects of programs for the child under three. **As required**
- ECED 2040 Family Dynamics and Community Involvement ..... 3 credits**  
The role of the family and community in the physical, cognitive, social and emotional growth of the child in a diverse society. Includes benefits of and strategies for developing positive, reciprocal relationships with families in an early childhood setting age 0 to age 9. Field experiences required. **F, S**
- ECED 2050 Psychomotor Development ..... 3 credits**  
This course discusses the major theories of psychomotor development and the application to the development of the young child ages birth to nine. Particular emphasis is placed on the positive development of motor skills. Field experiences required. **As required**
- ECED 2060 Development of Exceptional Children ..... 3 credits**  
This course deals with the special needs student population from physical disabilities, learning disabilities, mental retardation, sensory impairment, to the gifted child. The student will learn about interpreting diagnostic instruments and writing educational programs to meet the needs of the child. Students will study current practices, issues, and trends in special education law and policy, including adapting the environment and strategies for developing strong relationships with families and other community agencies. There is a significant outside of class time service-learning component to this class. Any field experience requires proof of personal liability coverage. (Students cannot receive credit for both ECED 2060 and SPED 2010.) **F, S**
- ECED 2070 Developmental Assessment ..... 3 credits**  
This course will cover assessment for children from birth to nine years of age. Both formal and informal instruments will be discussed with the emphasis on tools that can be used by teachers of young children. Considerations in choosing, administering, and reporting results of assessments will also be addressed. Field experiences required. **S**
- ECED 2080 Language and Literacy in Early Childhood ..... 3 credits**  
The research-based principles and practices for providing young children aged birth to nine a strong foundation in language and literacy within a developmentally appropriate approach. Field experiences required. **S**
- ECED 2085 Math and Science in Early Childhood .... 3 credits**  
A course on the standards, principles, and practices in teaching mathematics and science to young children ages birth to nine. An emphasis will be placed on developing an integrated math and science curriculum that includes appropriate content, processes, environment and materials, and child-centered choices. Field experiences required. **F**
- ECED 2090 Creative Development ..... 3 credits**  
This course provides strategies for promoting creative development of the child ages birth to nine. Students will gain an understanding of the concept of creativity: what it is, why it is important, and how the development of creativity in young children can be encouraged. Emphasis is on the development of creativity in relation to art, music, language, movement, and dramatic arts. Field experiences required. **As required**
- ECED 2100 The Mentoring Teacher ..... 3 credits**  
A study of the philosophy, principles, and methods of mentoring adults who have varying levels of training. Emphasis will be on the role of mentors as facilitators of adult learning while simultaneously addressing the needs of children, parents, and other staff. **As required**
- ECED 2110 Advanced Learning Environments ..... 3 credits**  
This course focuses on the skill, knowledge, and materials development that are necessary in the provision of a developmentally appropriate environment for young children ages birth to nine. Field experience required. **As required**
- ECED 2120 Administration of Child Care Centers ..... 3 credits**  
A study of organization and administration practices applicable to the child care center. Topics of special consideration will include leadership, enrollment and public relations, staff-management, financial management, facilities, regulations, parent relations, and program development. Field experiences required. **As required**
- ECED 2130 Clinical Practicum I ..... 2 credits**  
Supervised practicum with a minimum of 15 clock hours in seminar and 45 clock hours in an early childhood practical experience. Course includes a study of the physical and human qualities that combine to create an environment that is safe and healthy, and promotes optimum learning for young children ages birth to nine. Any field experience requires proof of personal liability coverage. **F, S**  
*1 hour lecture / 3 hours clinical*
- ECED 2140 Clinical Practicum II ..... 2 credits**  
Supervised clinical experience with a minimum of 15 clock hours in seminar and 45 clock hours in an approved clinical site (NAEYC, NAFCC, NSACA accredited agency, or department approved site). Course includes emphasis on using reflective practice to examine components of quality, set goals, and design a plan for professional growth for the early childhood educator of children ages birth to nine. Any field experience requires proof of personal liability coverage. **F, S**  
*1 hour lecture / 3 hours clinical*
- ECED 2150 Clinical Practicum III ..... 2 credits**  
Supervised practicum experience with a minimum of 15 clock hours in seminar and 45 clock hours of approved early childhood practical experiences. This course focuses on the student's demonstration of competencies that produce positive developmental outcomes for young children ages birth to nine. Any field experience requires proof of personal liability coverage. **S**  
*1 hour lecture / 3 hours clinical*

**ECED 2990 Special Problems in ECED** ..... 1-3 credits  
A course featuring an examination of a topical issue or area involved in the field of child development. The course may be repeated for credit, provided the theme is not repeated. Prior approval of instructor is required. **As required**

## ECONOMICS (ECON)

**ECON 2110 Principles of Economics I** ..... 4 credits  
Macroeconomic analysis includes national income accounting, employment theory, price determination, money and banking, monetary and fiscal policy, deficits, and international economics. Microeconomic analysis includes supply and demand, theory of consumer behavior, costs of production, firm behavior and market models. **F, S, Su**

**ECON 2120 Principles of Economics II** ..... 2 credits  
A continuation of ECON 2110. Emphasis is on practical applications, current economic problems, economic growth models, and international trade. (Prerequisite: ECON 2110) **S**

**ECON 2210 Business Statistics** ..... 3 credits  
A course in data collection, descriptive statistics, including measures of central tendency, variation, and time series analysis; concepts of probability and probability distributions, binomial and normal distributions, process improvement, linear correlation and regression; properties of samples and populations, statistical inference, including estimation and significance tests for means, contingency tables. (Students cannot receive credit for both ECON 2210 and MATH 2050.) (Prerequisite: MATH 1830 or MATH 1910) **F, S**

## EDUCATION / LEARNING STRATEGIES (EDUC)

**DSPS 0800 Learning Strategies** ..... 3 credits  
A course designed to help the student review personal and educational goals. Emphasis is on effective study skills, improved thinking, reasoning, and learning abilities, realistic career planning and increased self-understanding. A key component of the course will be the initial development of a pre-professional portfolio. This course adds three credit hours to the graduation requirements for student enrolled. (Prerequisite: primary admission is by the college assessment and placement procedure.) (formerly **EDUC 0800**) **F, S, Su**

**EDUC 1010 The Freshman Experience** ..... 1 credit  
Introduction to college opportunities, procedures, resources and services. Topics include personal enhancement and development, improving academic skills, career possibilities, information about the college, and other success related topics. A key component of the course will be the initial development of a pre-professional portfolio. **F, S, Su**

**EDUC 1130 Drivers Education: Defensive and Tactical Driving** ..... 3 credits  
This course is designed to instill in students the knowledge and skill of vehicular defensive driving. The decisions needed to drive defensively and legality issues of driving are emphasized.

**EDUC 2010 Psychology of Human Development for Teachers** ..... 3 credits  
Understanding and application of the psychology of human development to the teaching and learning process in educational settings. There is a significant outside of class time service-learning component to this class. Any field experience requires proof of personal liability coverage. **F, S**

**EDUC 2100 Orientation to the Profession of Education** ..... 1 credit  
This course will provide the student interested in the teaching profession with a survey of the opportunities, problems, and realities of teaching. Students will learn about the obligations and responsibilities inherent in teaching. Current topics will be analyzed and discussed. (Note: This course is specifically designed for the student who intends to enroll in the Professional Education Core at East Tennessee State University. Other education students may also enroll.) Any field experience requires proof of personal liability coverage. **F, S**

**EDUC 2110 Career Planning for the 21st Century** ..... 1 credit  
This course examines the nature of careers and the education-work system in which careers unfold. The course introduces the concept of careers as work-related positions, including all jobs and all training and honorary positions stemming from or leading to those jobs. Highlights of the job market outlook are presented. A key component of the course will be the initial development of a pre-professional portfolio. This course is offered in the spring semester only, and is available to students who have completed at least 24 hours.

**EDUC 2300 Introduction to Education** ..... 3 credits  
Survey of historical, sociological, philosophical, and legal foundations of American education, with an overview of school in America, the role and responsibility of the teacher, and an introduction to instructional technology principles. The course combines classroom discussion with field study as a means to analyze the teaching profession. There is a significant outside of class time service-learning component to this class. Any field experience requires proof of personal liability coverage. **F, S**



**EDUC 2400 Drivers Education:**

**Vehicle Dynamics Awareness .....3 credits**  
 This course is designed to acquaint students with the safe handling dynamics of automobiles which they regularly drive. Students must demonstrate safe practical skills while operating an automobile at various speeds, execute safe skid control techniques, and low speed precision skill maneuvers as they pertain to daily vehicle operations.

**EDUC 2450 Drivers Education:**

**Advanced Technical Driving .....3 credits**  
 This course is designed to prepare drivers with the tactical knowledge and practical skills to execute advanced vehicle maneuvers. Also, this course can prepare drivers to plan and evaluate instructor objectives, student outcomes, organize subject matter, and communicate those principles as they pertain to public sector driving training.

**EDUC 2810 Honors Seminar:**

**Leadership Development ..... 3 credits**  
 This course has as its focus the development of leadership ability. The course provides a basic understanding of leadership and group dynamics theory and assists the student in developing a personal philosophy of leadership, an awareness of the oral and ethical responsibilities of leadership, and an awareness of one's own ability and style of leadership; it provides the opportunity to develop essential leadership skills through study and observation of the application of these skills. The course encourages participants to develop their leadership potential and to engage in productive leadership behavior.

**EDUC 2818 Honors Program Seminar ..... 1-3 credits**

This course will provide support to the student that is a part of the Walters State Honors Program. Through this course, honors program students will experience a number of topics to include but not be limited to his or her leadership style and potential, continued career exploration, speakers on honors topics, field trips to exhibits in support of the honors program, and a service learning experience. Admittance into this course will be based upon acceptance into the Walters State Honors Program with consent of the instructor. **F, S**

**EDUC 2910 Field Study in Education ..... 3 credits**

This course builds on observation techniques and is designed to expose students to the field of teaching. It is a pre-practicum experience including classroom observation, attendance of school board meetings, lesson plans, etc. Due to the laboratory nature of this course, final evaluation will be recognized by a grade of Pass (P) or Fail (F). This course requires a 45-hour field observation component. Class meeting times are adjusted to accommodate for this field component. Any field experience requires proof of personal liability coverage. **F, S**  
*1 hours lecture / 3 hours laboratory*

**EDUC 2990 Problems in Education ..... 1 - 3 credits**

Designed for the study of special problems and/or current topics in the field of education. May also be used for preparation for the ACT.

**EMERGENCY MEDICAL TECHNICIAN (EMTB)**

**EMTB 1010 Basic Emergency Medical**

**Technician I ..... 8 credits**  
 An introductory course designed to prepare individuals for taking the Basic Emergency Medical Technician license examination administered by the Tennessee Department of Health, Division of Emergency Medical Services. Topics covered include an overview of the role and responsibility of the emergency medical technician in providing medical care services such as patient assessment, splinting, and bandaging. Additional studies include basic trauma life support and pediatric emergency care. A grade of "C" or better in this course qualifies the student to take EMTB 1020. Includes previous course EMTB 1010 as listed in 1993-94 WSCC Catalog. (Prerequisite: EMTB 1040 or equivalent) **F**

**EMTB 1020 Basic Emergency Medical**

**Technician II ..... 8 credits**  
 A continuation of Basic Emergency Medical Technician I designed to prepare individuals for taking the Basic Emergency Medical Technician license examination administered by the Division of Emergency Medical Services, Tennessee Department of Health. Topics covered include an extension of services and care covered in EMTB 1010, medical emergencies, emergency childbirth, burns and hazardous materials, environmental emergencies, and ambulance operations. Additional studies include intravenous therapy and basic trauma course. Includes previous course EMTB 1020 as listed in 1993-94 WSCC catalog. (Prerequisite: EMTB 1010) **S**

**EMTB 1030 IV Initiation and Maintenance ..... 4 credits**

This course studies fluids and electrolytes in the body with emphasis placed upon the manifestation of fluid and electrolyte imbalances. The effects of dehydration and over hydration are included. The course also deals with the causes, signs, and symptoms of shock, fluid administration through intravenous techniques, and the application of medical anti-shock trousers (MAST). Successful completion of this course allows the student to sit for the licensure examination given by the Tennessee Department of Health, Division of Emergency Medical Services. (Prerequisites: Students must hold current Tennessee licensure as an EMT to sit for licensure.) Other allied health professionals may take the course for credit. Brings currently licensed EMTs up to the standards of the newly improved EMT curriculum. Includes course content of EMTB 1100. **F, S, Su**

**EMTB 1040 First Responder ..... 4 credits**

This initial training course in the art of pre-hospital emergency medical care follows the guidelines set by the Department of Transportation (D.O.T.) Successful completion enables the student to sit for the certification examination given by the Tennessee Department of Health, Division of Emergency Medical Services. First Responders are individuals trained to assess patients, provide emergency care, and when necessary, move patients without causing injury. CPR training and certification is included in the course. **F, S, Su**

**EMTB 1050 Emergency Medical**

**Technician I and II ..... 16 credits**  
 A course designed to prepare individuals for taking the Basic Emergency Medical Technician license examination administered by the Tennessee Department of Health, Division of Emergency Medical Services. Topics covered include an overview of the role and responsibility of the emergency medical technician in providing medical care services such as patient



assessment, splinting, and bandaging. Additional studies include basic trauma care, pediatric emergency care, and intravenous therapy. This course is a combination of EMTB 1010 and EMTB 1020, offered in one semester (Prerequisite: EMTB 1040 or equivalent) Includes previous course EMTB 1050 as listed in 1993-94 WSCC Catalog. **F, S**

**EMTB 1060 Emergency Medical Technician**

**Defibrillation ..... 1 credit**  
The Emergency Medical Technician courses are prerequisites for the EMT-Defibrillation course. This program is designed for ambulance services personnel who desire a more advanced level of training in cardiac care. This class is offered to those ambulance service personnel whose medical director subscribes to the philosophy of early defibrillation of patients. This class, requiring 15 contact hours, is approved by Tennessee Emergency Medical Services. **F, S, Su**

**EMTB 1070 Basic Cardiac Life Support (CPR) ..... 1 credit**

The cardio-pulmonary resuscitation course is 15 contact hours. Topics include anatomy and physiology, practical skills, and nutrition. This course meets all CPR requirements for allied health personnel. **F, S, Su**

**EMTB 1080 Critical Incident Control ..... 3 credits**

This course is designed for all emergency personnel working for emergency agencies. Hazardous materials, medical emergencies and critical incident stress are the three components of this three credit hours course. Successful completion of this course will result in certification in CPR and First Aid.

**EMTB 1090 Critical Incident Stress Management ..... 2 credits**

This course is designed for all emergency personnel. This concept has been established to mitigate the impact of a critical incident in the life of the emergency professional and to enhance the recovery of the worker through a structured crisis intervention model. Basics of critical stress management for the emergency professional are covered in this two credit hour course. **F, S, Su**

**EMTB 1100 EMT-Transition ..... 1 credit**

Brings currently licensed EMT's up to the standards of the newly approved national EMT curriculum. Consists of six modules of instructional and psychomotor presentations. The course will meet EMT re-licensure requirements for the state of Tennessee. **F, S, Su**

**EMTB 1110 Communication with the**

**Hearing Impaired ..... 1 credit**  
This course is for first responders, EMT's, paramedics, and other allied health professionals who need the necessary communication skills to deal effectively with hearing impaired patients. **F, S, Su**

**EMTB 1120 Basic Trauma Course ..... 1 credit**

Basic Trauma Course is designed to educate emergency medical personnel in how to care for trauma patients with whom they come in contact. This course follows state and national Standards for Trauma Care. (Prerequisite: EMTB 1010 and 1020, or 1050. Nursing personnel EMT's and other allied health professionals may qualify for the course.) **F, S, Su**

**EMTB 1130 Emergency Vehicle Operations (EVOC) ... 1 credit**

This course is designed to develop the knowledge and ability of the emergency vehicle operator through classroom and behind the wheel instruction. Emergency medical personnel

taking the class will have a working knowledge of the laws pertaining to ambulance operations, special physical forces and unusual situations relating directly to the operator. The driving portion of the class will utilize the techniques learned during the classroom training. **F, S, Su**

**EMTB 1140 Pediatric Emergency Care ..... 1 credit**

Dealing with children and families, pediatric basics, IV access, newborn resuscitation, medical emergencies, trauma, poisonings, environmental emergencies, SIDS, and assessment are covered along with the appropriate skills for pediatric care. **F, S, Su**

**EMTB 1150 Wilderness EMT ..... 4 credits**

This course provides the certified EMT with the medical knowledge and skills to complement their existing level of training in wilderness areas. Areas covered include patient assessment, prolonged transport, medical rescue equipment, trauma, environmental medicine, back country medicine and wilderness rescue training. **F, S, Su**

**EMTB 1160 High Angle Rescue Technician ..... 4 credits**

Vertical rope rescue techniques, rope equipment and care, ascending/descending techniques, patient care, personal safety, legal responsibilities and self evacuation. **F, S, Su**  
*8 hours lecture / 14.5 hours laboratory*

**EMTB 1170 First Responder Recertification ..... 1 credit**

This course is designed to meet the requirements of the state of Tennessee regarding license renewal for First Responders. The course content includes review of information from prior training and an update to current standards of care. **Su**

**EMTB 2210 Vehicle Rescue Procedures ..... 1 credit**

This course is to develop the knowledge and skills necessary to plan, prepare, and perform vehicle rescue operations quickly, efficiently, and safely. To be covered includes assessment, management of hazardous situations, support operations, and response. The various sessions will deal with both theory and practical application. Includes some disaster management practices. **F, S, Su**

**EMTB 2300 Overview of**

**Emergency Medical Systems ..... 3 credits**

A philosophy and history of the emergency medical services, including the role of the layperson, emergency 911 facilities, first responder agencies, basic and advanced emergency medical services, hospital emergency departments and other hospital components. **F, S, Su**

**EMTB 2980 Emergency Medical Systems**

**Management Development ..... 3 credits**

This course offers a style for development of management in the emergency medical program from the front-line supervisor to the CEO. **F, S, Su**

**EMTB 2990 Problems in EMTB ..... 1-8 credits**

Designed for the study of special problems and/or current topics in the field of emergency medical technology. **F, S, Su**

## ENGLISH

### Developmental Writing (DSPW)

Sections with the suffix ESL are for students whose native language is not English. These sections will stress idiomatic language through exercises and listening as well as speaking.

**\*\*DSPW 0700 Basic Writing ..... 3 credits**  
This course addresses sentence-level problems in writing including complete sentences, sentence fragments, subject-verb agreement, verb tense, pronoun reference and agreement, and basic punctuation. Students write sentences, and later paragraphs, to correct these problems. This course adds 3 credit hours to the graduation requirements for students enrolled. (Prerequisite: Entry is by college placement procedures only.) **(DSPW 0700 ESL is designed for students whose native language is not English. Listening and speaking will be stressed.) F, S, Su**

**\*\*DSPW 0800 Developmental Writing ..... 3 credits**  
This course addresses paragraph and theme-level problems in writing including thesis, support, development, revision, and editing. Students write paragraphs, and later themes, to correct these problems. This course adds 3 credit hours to the graduation requirements for students enrolled. (Prerequisite: Entry is by college placement procedures only.) **(DSPW 0800 ESL is designed for students whose native language is not English. Listening and speaking will be stressed.) F, S, Su**

\*\*These courses constitute the TBR required sequence based on placement.

### College English (ENGL)

**ENGL 1010□ Composition I ..... 3 credits**  
A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced. *(formerly ENGL 1110)* **F, S, Su**

**ENGL 1020□ Composition II ..... 3 credits**  
A composition course emphasizing documented critical writing, based on an introduction to fiction, drama, and poetry. (Prerequisite: ENGL 1010) *(formerly ENGL 1120)* **F, S, Su**

**ENGL 1010 Honors English Composition I ..... 3 credits**  
A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced. **NO open enrollment. Students may be selected on basis of ACT of 24 or higher, or faculty referral.**

**ENGL 1020 Honors English Composition II ..... 3 credits**  
A composition course emphasizing documented critical writing, based on an introduction to fiction, drama, and poetry. **NO open enrollment. Students may be selected on basis of ACT of 24 or higher, or faculty referral. (Prerequisite: ENGL 1010, or referral)**

**ENGL 1111 Writing Laboratory ..... 1 credit**  
The course is adapted to the individual needs of the student to aid him/her in achieving satisfactory competency in written communication and word processing skills. The student may repeat the course. **F, S, Su**

**ENGL 2110□ American Literature I ..... 3 credits**  
A survey of American masterpieces from the Colonial Period to the Civil War. (Prerequisite: ENGL 1010 and ENGL 1020) *(formerly ENGL 2210)* **F, S**

**ENGL 2120□ American Literature II ..... 3 credits**  
A survey of American masterpieces from the Civil War to the present. (Prerequisite: ENGL 1010 and ENGL 1020) *(formerly ENGL 2220)* **F, S**

**ENGL 2230 Literature for Children ..... 3 credits**  
A survey of literature for early childhood through middle school. (Prerequisite: ENGL 1010 and ENGL 1020) **S**

**ENGL 2310 Technical Writing ..... 3 credits**  
Theory of and practice in the writing of technical letters and reports for industry and technology students. Topics include how to structure writing and technical aids, such as graphics, diagrams, statistics, and illustrations, for various job requirements. Students will receive experience in writing for their particular technical field. (Prerequisite: ENGL 1010)

**ENGL 2400 Appalachian Literature ..... 3 credits**  
This course provides an opportunity to explore and appreciate the richness, diversity, and vitality of the literary heritage of East Tennessee and the Southern Appalachian region. The course focuses on how our cultural traditions and values have been recorded and interpreted both by natives of the region and outsiders and, ultimately, what impact these traditions have had on modern Appalachia. The course includes works by writers such as Mary Murfree, John Fox, Jr., Elizabeth Madox Roberts, Thomas Wolfe, James Agee, Jesse Stuart, Harriette Simpson Arnow, James Still, Wilma Dykeman, and John Ehle.

**ENGL 2410□ Western World Literature I ..... 3 credits**  
A survey of the masterpieces of Western World literature: Ancient, Medieval, and Renaissance. (Prerequisite: ENGL 1010 and ENGL 1020) *(formerly ENGL 2260)* **F, S, Su**



**ENGL 2420** Western World Literature II ..... 3 credits  
A survey of the masterpieces of Western World literature: Enlightenment, Romantic and Modern. (Prerequisite: ENGL 1010 and ENGL 1020) (*formerly ENGL 2265*) **F, S, Su**

**ENGL 2510** Folklore ..... 3 credits  
An introduction to the study of folklore, providing an opportunity to explore and appreciate the richness, diversity, and vitality of the folk heritage of the nation and of the Southern Appalachian region in particular. Topics include folk dialect, name lore, proverbs, riddles, epitaphs, folk tales, folk songs, superstitions, folk medicine, arts and crafts. **F, S**

**ENGL 2810** Creative Writing I ..... 3 credits  
An introduction to the practice of writing short fiction and poetry combined with the study of techniques and models. **F, S**

**ENGL 2820** Creative Writing II ..... 3 credits  
An introduction to the practice of writing one-act plays and essays combined with the study of techniques and models. **F, S**

**ENGL 2990** English Problems ..... 1-3 credits  
A course featuring in-depth study in the field of English. The course may be repeated for credit provided the topic is not repeated. Prior approval of instructor is required. **F, S, Su**

**LANG 1111** Language Laboratory I ..... 1 credit  
The course is adapted to the individual needs of the student to aid in achieving satisfactory competency in communications and language processing skills (LANG 1111 is recommended for credit with beginning ESL-designated courses). Course may be repeated.

**LANG 1211** Language Laboratory II ..... 1 credit  
The course is adapted to the individual needs of the student to aid in achieving satisfactory competency in communications and language processing skills (LANG 1211 is recommended for credit with beginning ESL-designated courses). Course may be repeated.

## FIRE PROTECTION (FIPT)

All FIPT courses are offered **F, S, Su**

**FIPT 1010** Introduction to Fire Protection ..... 3 credits  
The history and development of fire protection, fire service and industrial safety personnel as they pertain to the overall problems of protecting life and property from fire. Emphasis is on fireground tactics and special fire suppression and rescue problems.

**FIPT 1020** Fire Science ..... 3 credits  
Covers the basic scientific principles involved with fire protection. Fire science topics will be drawn from chemistry, physics, math and medicine.

**FIPT 1030** Tactics and Strategy I ..... 3 credits  
Provides a basic foundation in fireground operations. Focus will be on the factors that affect strategic fireground operations such as pre-planning, mutual aid, and company operations.

**FIPT 1050** Hazardous Materials for Firefighters ..... 3 credits  
Provides basic information for recognizing and handling hazardous material incidents as safely as possible with the available resources. Students will also be exposed to some advanced hazardous material principles.

**FIPT 2010** Building Construction for Firefighters ..... 3 credits  
Study of basic building construction as it is related to fire protection. Emphasis will be on recognition of the different types, fire characteristics, safety factors and specific strategies of structures.

**FIPT 2020** Fire Prevention and Education ..... 3 credits  
Deals with the prevention and education aspects of the fire protection system. Subjects include: code enforcement, identifying the fire problem, home fire safety and school fire programs.

**FIPT 2030** Tactics and Strategy II ..... 3 credits  
A continuation of FIPT 1030. Competencies to be achieved include: putting together the various factors of fireground command to form a working action plan for dealing with an incident. Incident command systems will be discussed and examined.

**FIPT 2060** Fire Service Instructor ..... 3 credits  
Covers the basic methods for instructing fire service classes. Emphasis will be on developing lesson plans and conducting classes on those lesson plans. Students will prepare and present short classes to other students.

**FIPT 2070** Fire Inspector I ..... 3 credits  
This course covers the standard building and fire codes. It prepares the participant for certification exams.

**FIPT 2110** Fire Hydraulics and Water Supply ..... 3 credits  
Deals with the various formulas and principles for fireground hydraulics and pump operations. Students will also become familiar with the various types of water supplies for fire protection.

**FIPT 2120** Fire Cause Determination ..... 3 credits  
Stresses the investigation of a fire in order to determine origin and cause. Topics will include: legal issues, arson, juvenile fire-setters, preservation of evidence, and investigation techniques. (Some criminal justice courses may substitute.)

**FIPT 2210** Industrial Safety Organization ..... 3 credits  
Designed for industrial fire and safety personnel to examine their role in context of private industry. The role of the fire and safety division, fire brigade organization, and industrial fire protection principles will be among the topics discussed.

**FIPT 2220** Industrial Fire Hazards ..... 3 credits  
An examination of the fire and hazardous material problems commonly found in an industrial setting. Also included is the study of protection systems and strategies for industrial fire protection.

**FIPT 2310** Public Personnel Administration ..... 3 credits  
An introductory course dealing with the various aspects of public personnel administration. Topics include: Civil Service, promotions, grievances, training and development, and recruitment.

**FIPT 2330 Fire Protection Management ..... 3 credits**

A basic management course designed to deal with the unique problems associated with the fire service. Emphasis will be on developing an awareness of what is needed to be an effective fire service manager.

**FIPT 2340 Fire Service Public Relations ..... 3 credits**

Examines the role of public relations in fire service. Press interviews, press releases, and organizational image building will be among the topics.

**FIPT 2350 Fire Protection Codes and Standards .... 3 credits**

An in-depth look at the codes and standards that affect the fire protection system. Most of the discussion will be concerned with the NFPA standards and local building codes.

**FIPT 2700 Municipal Fire In-Service ..... 1-3 credits**

A course meeting Tennessee Firefighting Commission guidelines for annual in-service training.

**FIPT 2800 Industrial Fire In-Service ..... 1-3 credits**

A class offered at various industrial plants for the training and continuing education of employed assigned firefighting responsibilities. It will assist industries in maintaining compliance with 29 CFR 1910 (OSHA) and NFPA 1500 and 600.

**FIPT 2990 Problems in Fire Protection ..... 1-3 credits**

Individual study of problems or topics in the fire protection field.

**FRENCH (FREN)****FREN 1010 Elementary French I..... 3 credits**

An elementary course in the essentials of French with a strong video emphasis. This course provides the opportunity for students to experience, via video, the richness and diversity of the French language, culture and people. Stress is placed upon listening, speaking, reading, writing and culture. The process of oral communication will be highlighted, including how to initiate and continue a conversation in French for a few minutes using vocabulary related to, but not limited to, greetings, the classroom, physical attributes, pastimes and family members. (No prerequisite) F

**FREN 1020 Elementary French II ..... 3 credits**

A continuation of French 1010 with a more profound study of the grammar and essentials of the language. Idiomatic expressions will be stressed in order to create more native-like spoken and written language. (Prerequisite: FREN I or 1 year of high school French) S

**FREN 2010 Intermediate French..... 3 credits**

This course is an in depth study of the French language and culture. It is designed to prepare students with practical skills to express themselves both orally and in writing in interpersonal or small group communications. Special emphasis will be placed upon mastery of grammatical structures. Various nuances with verb tense and moods will be covered in an effort to produce more native-like language. Students will develop the ability to initiate and continue a conversation in French for 3-5 minutes. (Prerequisites: FREN 1010 and 1020 or 2 years of high school French) F

**FREN 2020 Intermediate French II.....3 credits**

A continuation of French 2010 with an extensive study of grammar and the essentials of the language. Emphasis is to fine tune students' skills in order for them to be able to communicate freely in various non-structured environments. (Prerequisites: FREN 1010, 1020 and 2010 or 3 years of high school French) S

**GEOGRAPHY (GEOG)****GEOG 1000 Area Studies ..... 3 credits**

This course is a prerequisite to college level geography. It is designed for students who have not had high school social studies. The student must maintain a grade of C or better and will receive elective credit only. The course is designed to instill in students a sense of place. It is orientated toward a study of the location of countries, important mountain ranges, bodies of water, and climates around the world. It will also include a treatment of cultural diversity in languages, religions, economics, and governments. Course designed to remove high school deficiency only.

**GEOG 1012 Introduction to Cultural Geography ..... 3 credits**

A survey of the spatial characteristics and value systems of cultures throughout the world. S

**GEOG 1013 World Geography I ..... 3 credits**

Selected world regions and topics (especially those with problems or situations of contemporary interest) are used to illustrate geographic concepts and techniques. (formerly GEOG 1010) F

**GEOG 1014 World Geography II ..... 3 credits**

A continuation of World Geography I. (formerly GEOG 1010) S

**GEOG 2010 Geographic Information Systems ..... 3 credits**

The study of techniques and theory of cartographic and spatial data rectification and enhancement, and spatial information extraction.

**GEOG 2990 Projects in Geography ..... 1-3 credits**

Designed for the study of special projects and/or current topics in the field of geography.

**GEOLOGY (GEOL)****GEOL 1030/1031 Geology ..... 4 credits**

The study of the composition of rocks and minerals, landscape development, earthquakes, the earth's interior and exterior, weather and climate, the nature of mountains and their development, and the drift of the continental and ocean crusted plates. (formerly PHYS 1001/1002) F

3 hours lecture / 3 hours laboratory

## GERMAN (GERM)

- GERM 1010 Elementary German I** ..... 3 credits  
An elementary course in the essentials of German, with emphasis on the four skills: listening comprehension, speaking, writing, and reading. F
- GERM 1020 Elementary German II** ..... 3 credits  
An elementary course in the essentials of German, with emphasis on the four skills: listening comprehension, speaking, writing, and reading. (Prerequisite: GERM 1010) S
- GERM 2010 Intermediate German I** ..... 3 credits  
A continuation of German grammar with readings and exercises to increase vocabulary and contribute to mastery of idiomatic constructions. (Prerequisite: GERM 1020 or two years of high school German) F
- GERM 2020 Intermediate German II** ..... 3 credits  
A continuation of German grammar with readings and exercises to increase vocabulary and contribute to mastery of idiomatic constructions. (Prerequisite: GERM 2010) S

## HISTORY (HIST)

- HIST 1000 Introduction to U.S. History** ..... 3 credits  
A courses designed for students who have not had high school U.S. History. The student must maintain a grade of C or better and will receive elective credit only. The purpose of the course is to introduce the historical process, provide exposure to methods of historical study, increase familiarity with basic information about America's past, and provide an appreciation for the factors that have produced the American culture as we know it today.
- HIST 1110 Survey of World Civilization I** ..... 3 credits  
Major economic, political and social developments from ancient times to 1660. (Developmental Reading and Writing required.) (formerly HIST 1010) F, S, Su
- HIST 1120 Survey of World Civilization II** ..... 3 credits  
A continuation of World Civilization I from 1660 to the present. Emphasis on Western Civilization. Writing emphasis course (3000 words). (Developmental Reading and Writing required.) (formerly HIST 1020) F, S, Su
- HIST 2010 American History I** ..... 3 credits  
American History I - The United States to 1877. A survey of the settlement and development of the colonies, the Revolutionary period, the making of the Constitution, the diplomatic, economic and political problems of the new government, the growth of Nationalism, Jacksonian Democracy, territorial expansion, the Civil War and Reconstruction. F, S, Su
- HIST 2020 American History II** ..... 3 credits  
American History II - The United States since 1877. A survey of the growth of the United States as an industrial and world power since Reconstruction: the industrial revolution, immigration, urbanization, rise of labor, Spanish-American War, Progressivism, World War I, Twenties, Depression and New Deal, World War II, Post-World War II era and the exercise of great power status in international affairs since World War II. F, S, Su
- HIST 2030 Tennessee History** ..... 3 credits  
A study of the geographical background, political, social and cultural history of Tennessee from earliest times to the present. (formerly HIST 2210)
- HIST 2100 Introduction to Women's Studies** ..... 3 credits  
This course is designed to introduce the student to the interdisciplinary academic field of women's studies. HIST 2100 seeks to explore often-omitted information about women's culture and history. It also examines political, economic, social, psychological and health issues which influence women's lives. (Students cannot receive credit for both HIST 2100 and HUM 2100.)
- HIST 2118 Honors American History I** ..... 3 credits  
American History I - The United States to 1877. A survey of the settlement and development of the colonies, the Revolutionary period, the making of the Constitution, the diplomatic, economic and political problems of the new government, the growth of Nationalism, Jacksonian Democracy, territorial expansion, the Civil War and Reconstruction. (Prerequisite: permission of the department. Honors course for exceptional students with ACT of 22 or higher who wish to study in small seminar-type class.)
- HIST 2128 Honors American History II** ..... 3 credits  
American History II - The United States since 1877. A survey of the growth of the United States as an industrial and world power since Reconstruction: the industrial revolution, immigration, urbanization, rise of labor, Spanish-American War, Progressivism, World War I, Twenties, Depression and New Deal, World War II, Post-World War II era and the exercise of great power status in international affairs since World War II. (Prerequisite: permission of the department. Honors course for exceptional students with ACT of 22 or higher who wish to study in small seminar-type class.)
- HIST 2200 Women in Society** ..... 3 credits  
This course is designed to examine the role played by women in various societies during different historical periods, factors which have limited women's participation in history and social scientists' assumptions about women. (Students cannot receive credit for both HIST 2200 and HUM 2200) S
- HIST 2990 Problems in History** ..... 1 - 3 credits  
In-depth study of a particular event, or issue involving reading, writing and oral discussion.

## HEALTH INFORMATION TECHNOLOGY (HITC)

### HITC 1021 Coding Lab I ..... 2 credits

This course will provide students practice in applying coding skills acquired in Basic ICD-9-CM coding and Basic CPT/HCPCS coding. The students will become proficient at determining patient diagnoses and procedures by coding patient medical records. The students will develop skills using an encoder and grouper to assist in coding. (Prerequisite or corequisite: MDCD 1010, MDCD 1020) F  
4 hours laboratory/week

### HITC 1051 Professional Seminar ..... 2 credits

This is a capstone course culminating in fundamental and comprehensive review of the domains, subdomains and tasks for entry-level registered health information technician competencies. As part of these competencies students will continue coding practice by use of encoder/grouper. Students will take mock registration exams for self-evaluation of domains, subdomains and tasks. Students will also review guides for professional activities such as resumes, job interviews, and professional conduct. (Prerequisite or corequisites: HITC 1021; MDCD 1030, MDCD 1040) S

4 hours laboratory/week

### HITC 1051 Professional Seminar ..... 2 credits

This is a capstone course culminating in fundamental and comprehensive review of the domains, subdomains and tasks for entry-level registered health information technician competencies. As part of these competencies students will continue coding practice by use of encoder/grouper. Students will take mock registration exams for self-evaluation of domains, subdomains and tasks. Students will also review guides for professional activities such as resumes, job interviews, and professional conduct. (Prerequisite or corequisites: HITC 1021, MDCD 1030, MDCD 1040) S

4 hours laboratory/week

### HITC 2020/2021 Applications in Healthcare Information

**Systems ..... 3 credits**  
This course provides an overview of the use of automated information systems in the healthcare delivery system and its various settings. Students will be introduced to the terminology and essential concepts of health information systems and the privacy/security issues which affect access to and the use of patient information. (Prerequisite: CPSC 1100) S

2 hours lecture / 2 hours laboratory / week

### HITC 2030/2031 Quality Improvement and Assessment

**in Healthcare ..... 3 credits**  
This course will focus on quality improvement and assessment in a variety of healthcare settings. Emphasis will be placed on implementation of quality tools and techniques as they relate to health information department activities of acute care hospitals, hospital outpatient and emergency departments, ambulatory care settings, and other healthcare facilities. Quality improvement and assessment techniques as they relate to the medical staff will also be addressed. (Prerequisites: HITC 2020/2021, HITC 2040, HITC 2070, MDCD 1010, MDCD 1020) S

2 hours lecture / 2 hours laboratory / week

### HITC 2040 Health Statistics and Registries ..... 2 credits

This course focuses on the collection of health data, commonly used computations, the presentation and reporting of data. This course will recognize the sources and uses of health data in the United States. This course also includes the function and use of registries, including the Tumor Registry. (Prerequisites/corequisites: MDTR 1030, HITC 2010) F

2 hours lecture / week

### HITC 2050 Health Information Technology

#### Practice I ..... 3 credits

This course contains planned and supervised clinical experiences in medical facilities. The student is given the opportunity to gain knowledge and skill in admission and discharge procedures, health and vital statistics, coding and abstracting, physician incomplete records, medical transcription supervision, tumor registry and long term care facilities. (Prerequisites: HITC 2010, HITC 2020/2021, HITC 2070, MDTR 1030; Prerequisite or corequisite: BIOL 2010, BIOL 2011; Corequisites: BIOL 2020, BIOL 2021; HITC 2040, MDCD 1010, MDCD 1020, HITC 1021) F

1 hour lecture - 4 hours clinical / week

### HITC 2060 Health Information Technology

#### Practice II ..... 3 credits

This course contains planned and supervised clinical experience in medical facilities. The student is given the opportunity to gain knowledge and skill in release of information, utilization review, patient care evaluation procedures, supervisory duties, ambulatory care settings and psych/drug rehab settings. Increased proficiency in coding skills is also emphasized. (Prerequisites: HITC 2050; Prerequisite or corequisite: BIOL 2010, BIOL 2011; Corequisites: BIOL 2020, BIOL 2021; Corequisites: HITC 1041, HITC 2030/2031, MDCD 1030, MDCD 1040) S

1 hour lecture - 4 hours clinical / week

### HITC 2070 Supervisory and Legal Aspects ..... 3 credits

This course emphasizes the medical record as a legal document and the effect of confidential communication laws on both the release of information and use of health information. The student will also be introduced to management principles and the supervisory role in healthcare organizations. (Prerequisites: HITC 2010; Corequisites: HITC 2020/2021, MDTR 1030) S

### HITC 2990 Special Problems in

#### Health Information Technology ..... 0-5 credits

This course covers special problems and/or current topics in Health Information Technology.

## HEALTH (HLTH)

### HLTH 2210 Personal Health ..... 3 credits

A study of personal health problems of college men and women, mental health, communicable diseases, degenerative diseases, nutrition, and other health problems of students and their families. F

### HLTH 2310 Safety and First Aid ..... 3 credits

Development of a safety attitude and understanding of individual responsibility in personal and community programs for accident prevention and control. Acquiring of knowledge and skills for the emergency care of individuals. S

## HOTEL AND RESTAURANT MANAGEMENT (HMGT)

### HMGT 1010 Foundations of Hospitality ..... 3 credits

An introduction to the major job functions of hospitality establishments such as hotels/motels, restaurants, and private clubs. The service function of the industry will be emphasized. **F/S**

### HMGT 1050 Facility Operations and Maintenance ..... 3 credits

Explores the engineering and maintenance requirements peculiar to the hospitality industry. Special emphasis on environmental issues, modernization, building operating systems, and resource management. **As required**

### HMGT 1060 Hospitality Housekeeping and

**Engineering** ..... 3 credits  
This course covers the housekeeping and engineering departments of a hotel. Students will learn what it takes to direct these day-to-day operations of these vital departments, from "big picture" management down to technical details. **F**

*3 hours lecture*

### HMGT 1070 Hotel Operations ..... 3 credits

This course provides a solid instruction to every aspect of hotel management. Topics include the hotel development and opening process; the general manager's role; financial control and information management; the front office, housekeeping, security and engineering; the food and beverage division; marketing and human resources policy. **F, S**

### HMGT 1250 Service Management ..... 3 credits

Discover how to plan for and manage the different types of food and beverage operations in a hotel, including coffee shops, gourmet dining rooms, room service, banquets, lounges, and entertainment/show rooms. **As required**

### HMGT 2310 Hospitality Food Production ..... 3 credits

Beginning culinary skills such as knife skills are taught in this course. Students practice basic cooking methods and prepare soups, stocks and minor sauces. Standard weights and measures are applied to recipe conversions. Proper sanitation techniques for a food service operation will be emphasized. **F/S**

*1 hour lecture / 4 hours laboratory*

### HMGT 2620 Basic Sanitation ..... 3 credits

Takes a Hazard Analysis Critical Control Point (HACCP) approach to help students understand the basics of hospitality sanitation, and provides everything students will need to know about sanitation as food and beverage managers. Clearly demonstrates the positive effects of good sanitation management on bottom-line profits. **As required**

### HMGT 2640 Hospitality Human Resource

**Management** ..... 3 credits  
This is the critical area of concern for the future. Learn how to recruit and retain high-caliber employees in tomorrow's shrinking labor pool. Understand the technical and legal challenges of hospitality human resource management. Apply the specifics of recruiting competent people, dealing with labor unions, offering benefit programs, and much more. Based on U.S. labor law, including the new Americans with Disabilities Act (ADA), this course is a must for anyone in operations management. **S**

### HMGT 2660 Tourism and the Hospitality Industry .... 3 credits

Provides a true introduction to tourism. Takes a social science perspective to give students a thorough understanding of the broad range of factors that influence and are affected by tourism. Also shows tourism in action, with sections on research methods, marketing, planning, and other applications. Provides the firm foundation students need for higher-level tourism courses. **As required**

### HMGT 2670 Front Office Procedures ..... 3 credits

Features information on today's front office computer technology, yield management, and reservation systems. Helps students understand the effects of the front office on the overall operation of a hotel and works step-by-step through the front office guest cycle. Outlines the role of front office management and discusses how guest concerns shape management strategies and procedures for front office tasks. **F**

### HMGT 2685 Housekeeping Management ..... 3 credits

Learn what it takes to manage this vital department. Provides a thorough overview, from the big picture of maintaining a quality staff, planning, and organizing, to the technical details of cleaning each area of the hotel. Covers the new pressures and demands facing housekeeping executives and shows how you can make a difference in determining whether or not guests return to your property. **As required**

### HMGT 2700 Food and Beverage Service ..... 3 credits

Discover how to plan for and manage the different types of food and beverage operations in a hotel, including coffee shops, gourmet dining rooms, room service, banquets, lounges, and entertainment/showrooms. **As required**

### HMGT 2715 Hospitality Industry Training ..... 3 credits

Training is the key to enhancing employee productivity and keeping employees motivated. Here's the help you need to develop, conduct and evaluate one-on-one and group training that will reduce turnover, improve employees' job performance, and help your organization attain its goals. This course is full of ideas you can easily put into action! **As required**

### HMGT 2730 Marketing of Hospitality Services ..... 3 credits

Learn how to use proven marketing techniques to improve business at your property; clearly spells out how to develop, implement, and evaluate a marketing plan; helps you see how to identify and reach the customers you want using marketing tactics specific to hospitality services. **As required**

### HMGT 2765 Hospitality Law ..... 3 credits

Explains the legal considerations of hospitality property management in straight-forward, easy-to-understand terms. Reflects the most recent changes in legislation affecting the hospitality operations and helps students learn to recognize legal pitfalls before they become problems. Includes comprehensive sections on food and beverage laws. **As required**

### HMGT 2770 Hospitality Sales and Marketing ..... 3 credits

Covers how to plan and implement effective marketing and promotional strategies – knowledge that will be critical for the success of any property. Provides tips for increasing revenue through a variety of means, from menus to telemarketing, and describes how to handle numerous selling situations. **S**

### HMGT 2805 Convention Management and Service ..... 3 credits

Shows you how to increase your property's convention and meeting business through improved marketing and better service. Learn how to address meeting planners' needs and concerns confidently, creatively, and effectively. Take advantage of unique ideas for servicing groups during their stay. **F**

**HMGT 2820 Foodservice Cost Control and**

**Purchasing ..... 3 credits**  
Students will learn how to control expenses organized around the operating cycle of the control system with a focus on bottom-line profit and budgetary goals. Methods of choosing suppliers and products, receiving and storing products and evaluating cost control methods through the act of purchasing will also be discussed. **F, S**

**HMGT 2830 Hospitality Industry Computer**

**Systems ..... 3 credits**  
Covers computer applications for all hospitality functional areas. Features sections on reservations, sales and catering, special computer applications in human resources functions and preventive maintenance, and the management of information systems. Includes the basics of computer systems for various property types and the "nuts and bolts" of hardware and software. **As required**

**HMGT 2870 Bar and Beverage Management ..... 3 credits**

Covers all facets of bar and beverage management, including how to balance marketing and control objectives, plan the business, select and train employees, and establish and maintain control systems. Features in-depth material on responsible alcohol service and essential information on a wide range of beverage products, including non-alcoholic drinks and wines. Also covers the duties of a bartender and characteristics bartenders should possess. **As required**

**HMGT 2910 Hotel/Restaurant Internship ..... 1-3 credits**

This course is designed to give the student practical experience in the area of hospitality management by participating in a cooperative work-study program within the hospitality industry. (Permission of instructor required.) **F, S, Su**

## HUMANITIES (HUM)

**HUM 2010 Humanities: The Human Adventure I ..... 3 credits**

This introductory course will relate to the human experience as expressed through music, literature, art, theatre, and other disciplines from the Paleolithic Age through the 16th century. The multimedia humanities survey blends sights, sounds, impressions, and ideas that teach students both history and elements of each art form. Various topics will be considered such as freedom and responsibility, creation and destruction, order and chaos. **F, Su**

**HUM 2110 Humanities: The Human Adventure II ..... 3 credits**

This introductory course will explore the human experience as expressed through music, literature, art, theatre, and other disciplines from the 17th century to the present. The multimedia humanities survey blends sights, sounds, impressions, and ideas that teach students both history and elements of each art form. Various topics will be considered such as freedom and responsibility, creation and destruction, order and chaos. **S, Su**

**HUM 2020 Introduction to**

**African-American Studies I ..... 3 credits**  
Multidisciplinary approach to the Afro-American experience through the Civil War and Reconstruction years. Writing emphasis course with at least one in-class essay examination and at least 3000 words of writing outside the classroom. (Same as SOCI 1005)

**HUM 2030 Introduction to**

**African-American Studies II ..... 3 credits**  
Multidisciplinary approach to the Afro-American experience from the Civil War through the Civil Rights era; explores rural and urban society, the A-A church, and intellectual and protest movements. Writing emphasis course with at least one in-class essay examination and at least 3000 words of writing outside the classroom. (Same as SOCI 1010)

**HUM 2100 Introduction to Women's Studies ..... 3 credits**

This course is designed to introduce the student to the interdisciplinary academic field of women's studies. HUM2100 seeks to explore often-omitted information about women's culture and history. It also examines political, economic, social, psychological and health issues which influence women's lives. (Students cannot receive credit for both HUM 2100 and HIST 2100.) **F**

**HUM 2150 Women in Literature ..... 3 credits**

Introduction to the study of women through the roles and stereotypes portrayed in a variety of literary genres. Writing emphasis course with at least one in-class essay examination and at least 3000 words of writing outside the classroom.

**HUM 2200 Women in Society ..... 3 credits**

This course is designed to examine the role played by women in various societies during different historical periods, factors which have limited women's participation in history and social scientists' assumptions about women. (Students cannot receive credit for both HUM 2200 and HIST 2200) **S**

**HUM 2500 Introduction to the Great Books ..... 3 credits**

Reading and discussion of those selections included in the Adult Great Books Program. Emphasis will be given to the understanding and interpretation of these writings through student discussions directed by a lead faculty member. Discussion leaders will also include faculty from different departments.

**HUM 2900 Problems and Topics in****Cultural Studies ..... 1-6 credits**

Instructor-designed courses to fulfill general humanities objectives and/or to provide specific Interdisciplinary Studies courses not offered. Provides for the advanced, individualized study of special interests in cultural studies; may include foreign and/or independent study, and may be repeated, provided the same experience is not repeated. (Same as SOCI 2900 and POLI 2900)

**HUM 2990 Special Problems in the Humanities .... 1-3 credits**

A course featuring an examination of a topical issue (theme or value) through the humanities. This course may be repeated for credit provided the theme is not repeated.





## INFORMATION TECHNOLOGY (INTC)

**INTC 1050/1051 Computer Graphics/Animation ..... 3 credits**  
This course covers knowledge and skills of using computer graphic devices and software packages. **F**

*2 hours lecture / 2 hours laboratory*

**INTC 1060/1061 Web Design and Development ..... 3 credits**  
Training includes design, image manipulation, hypertext language, hyperlinks, image maps, graphic images, tables, frames, forms, Cascading Style sheets, multimedia, Web editors, and JavaScript. (Prerequisite: CPSC 1100 or equivalent) **F**

*2 hours lecture / 2 hours laboratory*

**INTC 1070/1071 Authoring Multimedia ..... 3 credits**  
This course provides the basic knowledge and skills to create interactive Web applications and multimedia applications and projects using current technology. (Prerequisite: CPSC 1100 or equivalent) **As required**

*2 hours lecture / 2 hours laboratory*

**INTC 1085 Hardware Support ..... 4 credits**  
This course addresses the necessary skills to produce knowledge and support for basic software and hardware configuration, troubleshooting and diagnosis, along with associated safety issues. Instruction provided will begin the preparation for taking the A+ Certification Exam. **As required**

**INTC 1090/1091 Advanced Web Design and Development ..... 3 credits**  
This course provides an introduction to client- side vs. server-side environments. Database and scripting language(s) will be explored in relation to Web design, along with emerging technologies. (Prerequisite: INTC 1060 or knowledge of HTML) **S**

*2 hours lecture / 2 hours laboratory*

**INTC 2000/2001 Java ..... 4 credits**  
This course will provide students with necessary knowledge and skills of programming using Java. (Prerequisite: CPSC 1230 OR INTC 1060 or some programming experience) **As required**

*3 hours lecture / 2 hours laboratory*

**INTC 2010/2011 Microsoft Windows Desktop Operating System ..... 3 credits**  
This course teaches the strategies and tactics for installing, configuring, administering and troubleshooting Microsoft Windows Desktop Operating System in a networking environment. **F**

*2 hours lecture / 2 hours laboratory*

**INTC 2020/2021 Microsoft Windows Server ..... 3 credits**  
This course teaches the strategies and tactics for installing, configuring, administering and troubleshooting a Microsoft Windows Server in a networking environment. **F**

*2 hours lecture / 2 hours laboratory*

**INTC 2030/2031 Microsoft Windows Network Infrastructure ..... 3 credits**  
This course is designed to teach the basic skills required to install, support and troubleshoot the various Microsoft Windows Server networking components and services to include DNS, DHCP, Remote Access, WINS and NAT. (Prerequisite: INTC 2020. **F**

*2 hours lecture / 2 hours laboratory*

**INTC 2040/2041 Novell Administration ..... 4 credits**  
This course will provide students with necessary knowledge and skills to perform competently in the role of network administrator or system manager. **As required**

*3 hours lecture / 2 hours laboratory*

**INTC 2050/2051 Microsoft Windows Active Directory ..... 3 credits**  
This course teaches strategies and tactics for implementing, administering, and troubleshooting information systems that incorporate Microsoft Windows Active Directory in an enterprise computing environment. (Prerequisite: INTC 2020) **S**

*2 hours lecture / 2 hours laboratory*

**INTC 2090/2091 Web Server Applications ..... 3 credits**  
This course focuses on creating dynamic Web applications that interact with a database using client-side scripts, server-side scripts, and compiled server programs. (Prerequisite: INTC 1090 or equivalent) **As required**

*2 hours lecture / 2 hours laboratory*

## INDUSTRIAL TECHNOLOGY

### Drafting and Design (ITDD)

**ITDD 1010/1011 Engineering Graphics I ..... 4 credits**  
A study of basic drafting practices incorporating computer aided drafting (CAD) techniques (commercial software), Topics will include instruments, theory of projection, geometric construction, orthographic projection, dimensioning, lettering, and auxiliary and sectional view construction. **F, S**

*2 hours lecture / 4 hours laboratory*

**ITDD 1015/1016 Pre-Engineering Graphics ..... 2 credits**  
A course of study designed specifically for the Pre-engineering student pursuing the associate of science degree who plans on transferring to an engineering program at a university. The course consists of basic freehand sketching and creating two-dimensional drawings using AutoCAD 2002, creating two dimensional layouts and schematics using AutoCAD 2002, and creating three dimensional models using AutoCAD Mechanical Desktop or AutoCAD Inventor. **F**

*1 hour lecture / 2 hours laboratory*

**ITDD 1020/1021 Engineering Graphics II ..... 4 credits**  
A continuation of Engineering Graphics I utilizing computer applications. Topics include machine and working drawings, descriptive geometry topics and graphical elements. (Prerequisite: ITDD 1010) **F, S**

*2 hours lecture / 4 hours laboratory*

**ITDD 1410/1411 Technical Illustration ..... 4 credits**  
A study of technical illustration utilizing computer applications in selected mediums for stated communicative formats with emphasis on techniques and detail. (Prerequisite: ITDD 1010 and consent of instructor) **F**

*2 hours lecture / 4 hours laboratory*

**ITDD 2430/2431 Computer Aided Drafting ..... 3 credits**  
A continuation of drawing utilizing the micro-computer (CAD) system. Topics include machine and working drawing, library construction, menu development and CAD project analysis. (Prerequisite: ITDD 1010/1011) **S**

*2 hours lecture / 2 hours laboratory*

**ITDD 2510/2511 Architectural CAD ..... 4 credits**

A study of architectural drawing utilizing the micro-computer (CAD) system. The students will produce drawings associated with building design including details, plans sections and specific design elements. (Prerequisite: ITDD 1010/1011) F  
2 hours lecture / 4 hours laboratory

**ITDD 2610/2611 Computer Graphics Applications ... 3 credits**

The applications of computer aided drafting and design (CAD) as they relate to professional and industrial practices. Custom design of menu driven software as applied to industrial specifications. (Prerequisite or corequisite: ITDD 2430/2431) **As required**

2 hours lecture / 2 hours laboratory

**ITDD 2710/2711 Graphic Design ..... 4 credits**

The applications of graphic communication as applied to society and industry. Utilization of both CAD and board for total media format. (Prerequisite: ITDD 2430/2431) **As required.**

2 hours lecture / 4 hours laboratory

**ITDD 2810/2811 CAD 3-D ..... 3 credits**

An introductory course in the applications of 3-dimensional parametric modeling software in industrial design and applications. Students will learn the basics of 3-dimensional modeling of components, how these components are assembled in assembly drawings, and how the fit, form and function of each component in the assembly is verified. Emphasis is placed on problem solving with individual and group assignments. (Prerequisites: ITDD 1010/1011, ITDD 1020/1021 and ITDD 2430/2431 or permission of instructor.) **As required**

2 hours lecture / 2 hours laboratory

**ITDD 2820/2821 Parametric Modeling and Design .... 3 credits**

A continuation of ITDD 2810, where students apply parametric modeling software in advanced design applications. Students will design jigs and fixtures, cams, gears, and other forms of tooling. Emphasis is placed on individual and group problem solving techniques during the component design process. (Prerequisites: ITDD 2810/2811) **As required**

2 hours lecture / 2 hours laboratory

**ITDD 2990 Special Problems in**

**Drafting and Design ..... 4 credits**  
This course is for specially designed advanced study within the realm of Engineering and Architectural Graphics for both board and computer graphic application. (Prerequisite: Consent of instructor. May be repeated for 12 hours credit.) **As required.**

2 hours lecture / 4 hours laboratory

**Electrical/Electronics (ITEE)****ITEE 1010 Electrical Applications ..... 3 credits**

This course is required for all Industrial Technology students. An overview of electrical terminology and unit conversions will be covered. Basic electrical circuit concepts will be presented using series and parallel DC circuits. The fundamentals of digital electronics will be presented using the "AND", "OR" and "NOT" logic gates. Industrial control circuits will be presented using numerous input devices such as limit, float, and push button switches along with such output devices as

relays, contactors, and motor starter coils. Circuit protection devices such as overload, circuit breakers, and fuses will be covered. Electrical print reading concepts will be conveyed by describing the operating characteristics of each input and output device and how it relates to other electrical components on a line diagram. An introduction to ladder logic programming using Programmable Logic Controllers (PLC's) will be discussed. (Corequisite: ITEE 1011). F

3 hours lecture

**ITEE 1011 Electrical Applications Laboratory ..... 1 credit**

An introductory course for the Industrial Technology major student with laboratory experiments and exercises which correspond to lecture material in ITEE 1010. (Prerequisite or Corequisite: ITEE 1010). F

2 hours laboratory

**ITEE 1320 DC Electrical Circuits ..... 3 credits**

A study of unit conversions and the analysis of electrical parameters such as resistance, voltage, current, and power in series, parallel, and series-parallel resistive DC circuits. Analysis will be accomplished by applying network theorems such as Thevenin's Theorem to solve capacitor / inductor charging and discharging DC circuits. The conversion of voltage sources to current sources and also current sources to voltage sources will be covered. (Prerequisite: completion of Developmental Mathematics courses, if applicable. Corequisite: ITEE 1321) F

3 hours lecture

**ITEE 1321 DC Electrical Circuits Lab ..... 1 credit**

An introductory course with laboratory experiments and exercises which correspond to lecture content in ITEE 1320. (Corequisite: ITEE 1320) F

2 hours laboratory

**ITEE 1330 AC Electrical Circuits ..... 3 credits**

A study of AC sinusoidal waveforms applied to series, parallel and series-parallel AC circuits and applications of network theorems involving rectangular and polar numbers. The effects of resistance, inductance, and capacitance on sinusoidal phase relationships and the conversion of voltage sources to current sources and current sources to voltage sources are a major part of the course. Mesh current analysis and Nodal analysis will be applied to multisource AC circuits. Series and parallel resonant circuit characteristics will be analyzed along with the quality factor (Q), decibels, R-C low pass filters, R-C high pass filters, band-pass filters and band-stop filters. (Prerequisite: ITEE 1320; Corequisite: ITEE 1331) S

3 hours lecture

**ITEE 1331 AC Electrical Circuits Lab ..... 1 credit**

A laboratory course for experiments and exercises corresponding to lecture content in ITEE 1311. (Corequisite: ITEE 1330) S

2 hours laboratory

**ITEE 1510 Digital Electronics ..... 3 credits**

An introduction to integrated circuit logic families. A study of number systems, logic gates, boolean algebra, Karnaugh maps, and the analysis of combinational logic circuits such as flip-flops and other multivibrators. (Prerequisite: one year of high school algebra, completion of developmental mathematics, or consent of instructor, and Corequisite: ITEE 1511) F

3 hours lecture

**ITEE 1511 Digital Electronics Lab ..... 1 credit**

A study of the basic digital concepts with laboratory experiments and exercises which correspond to lecture material in ITEE 1510. (Prerequisite or Corequisite: ITEE 1510). F

2 hours laboratory

**ITEE 1710 Electronics ..... 3 credits**

An introduction to semiconductor materials and the PN junction. Rectifiers and the Zener diode will be studied. Bipolar and JFET transistor characteristics, biasing, amplification and multistaging will be covered. Operational amplifier and Oscillator characteristics and applications will be covered along with the analysis for proper operation. (Prerequisite: ITEE 1320/1321 or consent of instructor and Corequisite: ITEE 1711). **S**

*3 hours lecture*

**ITEE 1711 Electronics Lab ..... 1 credit**

A study of semiconductor devices and materials with laboratory experiments and exercises which correspond to lecture material in ITEE 1710. (Prerequisite or Corequisite: ITEE 1710). **S**

*2 hours laboratory*

**ITEE 1910 Microprocessor Fundamentals w/Lab ..... 3 credits**

A study of the hardware and software components of computer systems. Topics include principles of microcomputers, microprocessor architecture, programming and troubleshooting. **S**

*2 hours lecture / 2 hours laboratory*

**ITEE 2610 Electrical Power ..... 2 credits**

A study of the production and transmission of electrical power. Topics include transformer operation and types, load configurations, Power factor correction, and the study of the National Electrical Code (NEC). (Prerequisite or Corequisite: ITEE 2611)

*2 hours lecture*

**ITEE 2611 Electrical Power Lab ..... 2 credits**

A study of the production and transmission of electrical power with laboratory experiments and exercises which correspond to lecture material in ITEE 2610. (Prerequisite or Corequisite: ITEE 2610)

*4 hours laboratory*

**ITEE 2730 Industrial Controls ..... 3 credits**

Topics include electrical print reading, basic motor control, various switches and sensors, and relays and solenoids. A study of electrical system control principles will begin with relay logic hardware and then proceed to applying Programmable Logic Controller (PLC) ladder logic software. The student will develop ladder logic diagrams from functional word descriptions and then program the controller. Process control design projects such as conveyor, machine, etc. will be stressed by creating the program from a functional word description of the process. Tours of local manufacturing plants will be included, if time permits. **As required.**

*3 hours lecture*

**ITEE 2731 Industrial Controls Laboratory ..... 1 credit**

An extensive "hands-on" lab that allows the student to wire various industrial control circuits and program a Programmable Logic Controller (PLC) and robot. Laboratory experiments and exercises correspond to lecture material in ITEE 2730. (Prerequisite or Corequisite: ITEE 2730) **As required.**

*2 hours laboratory*

**ITEE 2990 Special Problems in****Electrical/Electronics ..... 1-4 credits**

A course for specially designed study within the realm of Electrical Technology. (Prerequisite: Prior approval of instructor is required) **As required.**

**Electromechanical (ITEM)****ITEM 1110 Mechanical Power Transmission ..... 4 credits**

Mechanical Power Transmission covers the activities of power transmission such as force, resistance, power, work and thrust. Students are required to apply these activities to the repair of gear trains, belt and chain drives, shaft coupling and clutches, and bearing selection, installation and maintenance. **F**

*2 hours lecture / 4 hours laboratory*

**ITEM 1310 Millwright Principles ..... 3 credits**

This course is oriented toward relocating, storage, installation and placing into operation industrial machines and equipment. Lab activities include welding, sheet metal fabrication, rigging, sketching, print reading, piping and tubing, pumps and layout of electrical circuits. **S**

*2 hours lecture / 2 hours laboratory*

**ITEM 2110 General Welding ..... 3 credits**

General Welding is an introduction to welding terminology, procedures and joint design. Students are required to run continuous weld beads with the electric arc, SMAW, GTAW, GMAW (MIG), FCAW and oxy-acetylene processes. **F**

*1 hour lecture / 4 hours laboratory*

**ITEM 2410 Hydraulics and Pneumatics ..... 4 credits**

A course of study combining classroom lecture and laboratory exercises for fluid power consisting of the basic fundamentals of hydraulic and pneumatic components and systems, basic theory of design, fluids and their properties, problem-solving techniques and industrial maintenance applications. Included in an extensive study of electrical-mechanical and hydraulic-pneumatic symbols and schematics. **F**

*2 hours lecture / 4 hours laboratory*

**ITEM 2610 Piping and Auxiliaries ..... 4 credits**

This course covers threaded pipe, welded pipe, isometric pipe sketching, pipe layout, gaskets, packing, industrial hose and tubing, basic steam system operation, automatic and manual valves, and positive displacement pumps. **S**

*2 hours lecture / 4 hours laboratory*

**Manufacturing (ITMF)****ITMF 1005 Transition Course ..... 3 credits**

This course is designed for diploma completers from the Tennessee Technology Centers or students who have non-traditional educational experiences and wish to pursue an associate of science degree from Walters State. Taken as an independent study, this course is designed to develop a plan of study, determine how credit for previous coursework or experience will be applied toward a degree, and develop an electronic portfolio preliminary to granting credit. **F, S, Su**

**ITMF 1010 Operations Management I ..... 3 credits**

An overview of manufacturing organization, operations management and the responsibilities of the various functional manufacturing departments. Current manufacturing topics are discussed such as Lean Manufacturing, JIT, KanBan, Agile,

Flexible, Integrated Management, Facilities Planning, Work Measurement, and others. A heavy emphasis is placed on Deming quality methods and their application.  
*3 hours lecture*

**ITMF 1210/1211 Industrial Materials and Processes ..... 3 credits**  
 A study of industrial materials and processes with emphasis on both metals and non-metals, their properties, selection and use. Included will be material molding, forming, shaping, joining, and etc. Basic machining will be covered with lab experiences to include bench layout, milling, drilling, turning and sawing. CNC programming will be introduced, with students writing a simple G&M code program manually. (Prerequisite: ITMF 1010) F  
*2 hours lecture / 2 hours laboratory*

**ITMF 1430/1431 Quality Assurance ..... 3 credits**  
 A study of the SPC quality function within the manufacturing environment for data collection, organization, and analysis. The course includes techniques used to construct check sheets and control charts for variable and attribute data to determine process control and capability. In conjunction with the above, the diagnostic journey will include Pareto charts, and cause and effect diagrams along with reading and interpretation of manufacturing blueprints and GD&T. Also included are the techniques and instruments used in measuring product characteristics. Computer methods will be discussed. (Prerequisite: ITMF 1010, and completion of all remedial and developmental mathematics courses or consent of instructor) S  
*2 hours lecture / 2 hours laboratory*

**ITMF 1510 Total Quality Applications .....4 credits**  
 A study and application of the Total Quality Management (TQM) concept. Participants will be exposed to a wide variety of problem solving and team building activities which are taken primarily from the management principles of Peter Senge and W. Edwards Demming. Demming's 14 points will be explored in detail, as well as specific statistical tools required to implement the TQM (SPC). Participants will learn by completing a required quality team project. (Prerequisite or corequisite: ITMF 1430) **As required.**

**ITMF 1520 Quality Systems .....3 credits**  
 A study of the various quality management concepts and quality standards in use among today's manufacturing leaders and how they impact the role of the Quality Assurance workforce. Emphasis will be placed on the needs and methods associated with process documentation within a quality management system. The role of the Quality Assurance workforce relative to new product launches will be explored, along with tools associated with these projects. **As required.**  
*3 hours lecture*

**ITMF 1530 Metrology and Calibration .....3 credits**  
 A study of the science or measurement related to industrial applications, including familiarization with various types of measurement equipment, gage capability studies, methods of instrument calibration, and the selection of appropriate measurement equipment. (Prerequisites: ITMF 1430/1431) **As required**  
*3 hours lecture*

**ITMF 1540 Inspection and Testing Methods .....3 credits**  
 A more advanced study in the technology of inspection and testing in an industrial setting. Reading and interpretation of blueprints and working drawings, the application of Geometric

Dimensioning and Tolerancing (GD&T), performing part layouts from working drawings, establishing checklists for routine part layouts and establishing sampling plans to be used in manufacturing are the core of the course. (Prerequisites: ITMF 1430/1431, ITMF 1610) **As required**  
*3 hours lecture*

**ITMF 1550 Root Cause Analysis and Problem Solving .....3 credits**  
 A study of root cause analysis and problem solving. The seven quality tools will be explored in depth, as the course will introduce the student to statistical approaches to root cause analysis and problem solving. Students will learn and apply statistical tools to separate the vital few process variables from the trivial many that exist in any process. Proper experimentation techniques will be discussed, including an introduction to Design of Experiments. (Prerequisites: ITMF 1430/1431 and ITMF 1520) **As required.**  
*3 hours lecture*

**ITMF 1610 Introduction to Industrial Print Reading ...3 credits**  
 A study of drawing topics that will include lettering, sketching, dimensioning, projections, drawing perspectives, sectional views, reading of machine and mechanical drawings, tooling blueprints, and welding and fabrication drawings used in industrial systems. A brief introduction to Geometric Dimensioning and Tolerancing is included. **As required.**  
*3 hours lecture*

**ITMF 1810 Industrial Supervision ..... 3 credits**  
 A study of the characteristics for effective supervision with emphasis on communications and organizational relationships. Workforce motivational factors are discussed, as well as exercises in staffing, promotion and personality traits. Topics also include the role of the supervisor within the management structure, the responsibilities of supervision, and regulatory and legal ramifications of supervisory behavior and decisions. This study emphasizes leadership, teamwork, and Lean methods with a strong human relations emphasis. (Prerequisite: ITMF 1010, ITMF 2610 or consent of instructor) S  
*3 hours lecture*

**ITMF 2200/2201 Machine Tool Technology ..... 3 credits**  
 The use of metal working machine tools and accessories including the mill, lathe, saw, drill press, and surface grinder with emphasis on safety. Precision measuring tools and hand tools will also be used. Surface plate layout for the purpose of machining will be taught. Machining characteristics of commonly machined metals will be studied. Cutting speed and feed rate calculations will be covered in depth. Cutting tool types, geometry, lubricants and applications will be covered. (Prerequisite: ITMF 1010 and ITMF 1210/1211, or permission of instructor.) **As required.**  
*2 hours lecture / 2 hours laboratory*

**ITMF 2610 Occupational Safety ..... 3 credits**  
 A study of the Tennessee Annotated Codes pertaining to Workman's Compensation and the Tennessee Occupational Safety and Health Administration (TOSHA). Topics include employee and managerial responsibility to potential safety and health situations. Other topics include hazards, fire safety, the anatomy of fire, spills and releases and emergency response. Total Safety Management, liabilities, safety systems, accident prevention and accident reporting with emergency response. An introduction to the EPA and disposal of hazardous wastes are addressed in this course as well. S  
*3 hours lecture*

**ITMF 2710 Operations Management II ..... 3 credits**

A study of the fundamentals of production and materials control systems. Topics include the elements of the Manufacturing Planning and Control System. Materials Requirements Planning (MRP), Manufacturing Resource Planning (MRPII), queuing theory, and an introduction to the requirements of establishing a Just-In-Time manufacturing environment. Other topics include computerized materials planning/scheduling, job scheduling techniques and the possible implications of such. (Prerequisites: ITMF 1010 and completion of all remedial and developmental mathematics courses or consent of instructor) **F**

*3 hours lecture*

**ITMF 2720/2721 Facilities Planning ..... 3 credits**

Work methods analysis and planning for the functions of the storage and retrieval of production materials and supplies. This study looks at the uses of facilities planning in the reduction of labor costs associated with production, and the analysis of material flow within the facility. Additional topics include the economical selection of material handling and storage equipment and determining adequate space allocation for the functions of manufacturing, testing, and inspection of the product. In addition, the use of computerized facility planning software systems will be explored and evaluated during the course. (Prerequisites: ITDD 1010, ITMF 1010, ITMF 2610, ITMF 2710 and completion of all remedial and developmental mathematics courses or consent of instructor) **S**

*2 hours lecture / 2 hours laboratory*

**ITMF 2740/2741 Industrial Measurement and****Cost Systems ..... 3 credits**

A study of work methods and analysis for improvement to reduce labor, content, process analysis and approaches to problem solving. This course includes the gathering of data through the use of time studies, pre-determined time standards, an introduction to methods-time-management (MTM), and establishing a work sampling study utilizing random observations. This data is then analyzed for application to cost reduction and improved efficiency. The various forms of wage plans are also discussed concerning the advantages and disadvantages of each. Included are the study and use of financial and analytical methodologies for the determination of equipment purchases, lease, or rental replacement frequencies and/or justifications. A study of economics as utilized by engineering departments, for equipment selection, decision making, analysis of data, and the time-value of money. (Prerequisites: ITMF 1010 and completion of all remedial and developmental mathematics courses or consent of instructor) **F**

*2 hours lecture / 2 hours laboratory*

**ITMF 2810/2811 CNC Programming w/Lab ..... 3 credits**

A study of the capabilities, programming procedures, advantages and disadvantages of numerical control (N/C) and computerized numerical control (CNC) metal working machine tools. Manual methods for generating, debugging and running point-to-point and continuous path programs including linear and circular interpolation, canned cycles, loops, and subroutines to produce work pieces of increasing complexity. Manual methods for generating, debugging and operating robotic equipment will also be covered. (Prerequisites or corequisites: ITMF 1010, ITMF 1210, ITMF 2200 or permission of instructor) **As required**

*2 hours lecture / 2 hours laboratory*

**ITMF 2990 Special Problems in Manufacturing .... 1-6 credits**

This course allows the student additional advanced studies in a particular area of interest to the student or which are in demand by local industry. This course may be repeated for credit provided the same subject matter is not used. (Prerequisite: The student must have prior approval of the instructor before registering for this course.) **As required.**

**PARALEGAL STUDIES (LAW)****LAW 1110 Introduction to Paralegal Practice, Professional Ethics and Legal Office Management****(required course) ..... 4 credits**

An overview of the legal assistant profession including the work and regulation of attorneys; the definition and role of the paralegal; paralegal skills; state regulation of paralegals; job opportunities for paralegals; attorney and paralegal ethics and professionalism; the legal office environment including personnel, systems, procedures, and software. **F, S**

**LAW 1120 Legal Research and Writing Skills****(required course) ..... 4 credits**

Study of government organization, sources of law and research methods; training in legal research of primary and secondary law sources including statutory codes, reporters, digests, case briefing, legal encyclopedias, treatises, practice manuals, ALR and the CFR. Training in computer assisted legal research including Internet research and Lexis. Practical application of legal research skills by drafting of legal research memoranda, correspondence, and various litigation and/or commercial documents in realistic firm environment. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1130 Civil Litigation, Evidence, and Investigation****Skills for Paralegals (required course) ..... 4 credits**

Study of civil litigation procedure and practice in federal and Tennessee state courts at trial and appellate levels. Includes study of Federal Rules of Evidence; study of procedures and methods for interviewing and investigating; training in drafting of pleadings, motions, and discovery documents; training in litigation management and assistance; and training in interviewing and fact investigation. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1140 Torts, Workers Compensation, and Employment****Law (required course) ..... 4 credits**

Study of the law of Torts including negligence, intentional torts, and strict liability; defenses and damages; case analysis. Includes study of Tennessee Workers Compensation Act and study of federal and state employment law. Emphasis is placed on paralegal's role and required skills to assist attorneys practicing in these areas. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1150 Contract Law (required course) ..... 2 credits**

Study of the common law of contracts and Articles 2, 3 and 4 of the Uniform Commercial Code. Training in drafting of simple contracts. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1160 Business Organizations (required course) 2 credits**

Study of the various forms of doing business including the sole proprietorship, general and limited partnerships, the limited liability company, and various types of corporations. Training in drafting appropriate original documents for various business forms. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1170 Real Property Law and Title Search Skills for****Paralegals (required course) ..... 2 credits**

Study of the principles of real property law including estates, concurrent ownership, and transactions of lease and sale. Training in drafting documents related to conveyance of title. Training in performing a basic title search. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1180 Wills, Trusts & Estate Administration for Paralegals (required course) ..... 2 credits**  
Study of the law of wills and trusts and the administration of estates under the Uniform Probate Code and Tennessee statutes. Training in drafting basic wills and trusts. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 1185 Debtor-Creditor Relations and Bankruptcy Law (required course) ..... 2 credits**  
Study of the creation of debt; the creation and perfection of security interests in personal and real property; statutory methods of collecting a judgment; the Fair Debt Collection Practices Act; the Fraudulent Conveyances Act; the Credit Reporting Act; the U.S. Bankruptcy Code with emphasis of proceedings under Chapters 7, 11 and 13. Training in drafting of documents to create and perfect a security interest, collection letters, and bankruptcy petition and supporting schedules. (Prerequisite or Corequisite: LAW 1110) **F, S**

**LAW 2010 Criminal Litigation and Procedure (elective course) ..... 3 credits**  
Study of the various crimes including their elements, defenses and punishment. Study of criminal procedure from commission to trial. Study of Constitutional concepts involved in substantive and procedural criminal law. Emphasis is placed on paralegal's role and required skills to assist attorneys practicing in prosecution or defense. (Prerequisite or Corequisite: LAW 1110 and 1120) **As required**

**LAW 2020 Domestic Relations, Administrative Law, and ADR (elective course) ..... 3 credits**  
Study of the law of marriage, annulment, divorce, separation, child custody and support, property division, domestic abuse, family torts, paternity, adoption, artificial insemination, and surrogacy. Training in drafting of pleadings in divorce case, motions and marital dissolution agreements. Study of law of agencies including statutory source, promulgation of rules and regulations, administrative procedures and exhaustion of remedies. Study of methods of alternative dispute resolution including negotiation, arbitration, mediation. Emphasis is placed on paralegal's role and required skills to assist attorneys practicing in these areas. (Prerequisite or Corequisite: LAW 1110) **As required**

**LAW 2040 Legal Externship (Elective course) ..... 1 credit**  
Work experience in a private law office, government or corporate legal department. Work is supervised and evaluated. (Pre requisite or Corequisite: LAW 1110) **As required**

**LAW 2050 Selected Topics in the Law (Elective course) ..... 1-6 credits**  
Selected topics related to law or the paralegal profession. (Prerequisite or Corequisite: LAW 1110) **As required**

**LAW 2990 Special Problems in Law ..... 1-6 credits**  
Special topics related to law or the paralegal profession. (Pass/Fail grade assigned)

## MANAGEMENT (MGMT)

**MGMT 1100 Business Computer Applications ..... 3 credits**  
This course is designed to assist the student in achieving proficiency in computer applications as they relate to business solutions. The student will demonstrate a working knowledge of word processing, electronic communications, data bases, presentation software and spreadsheets. **F, S, Su**

**MGMT 1110 Electronic Spreadsheet and Database Applications ..... 3 credits**  
Electronic spreadsheet software will be utilized for business applications such as the preparation of worksheets and financial statements. The course also emphasizes database management techniques for the microcomputer. **F, S**

**MGMT 2110 Advanced Word Processing and Desktop Publishing ..... 3 credits**  
Creating and editing advanced text documents and importing the text documents into desktop publishing software packages will be the emphasis of this course. Microcomputers and several software packages are utilized for business applications such as the preparation of brochures and newsletters. **S**

**MGMT 2210 Principles of Management and Quality Improvement ..... 3 credits**  
This course provides an introduction to the fundamental principles and theory of business management including the process of decision-making and problem solving related to planning, organizing, leading and controlling in the typical business firm. Designed to provide a brief history of the origins of modern quality management, and review of basic tools for evaluating and achieving performance excellence. **F, S**

**MGMT 2500 PowerPoint Presentations and Web Page Design ..... 3 credits**  
This course should provide in-depth introduction of using Microsoft PowerPoint. Topics include basic and advanced skills of PowerPoint, the design concepts of creating presentations. Also, the course should present fundamental concepts and applications to build and publish Web sites, manage existing Web sites, and create hyperlinks and HTML documents. Because basic computer-use knowledge is required, prerequisites to this course would be MGMT 1110 and MGMT 2110. **S**

**MGMT 2530 Human Relations ..... 3 credits**  
A course designed to encourage the student to understand relationships through a study of interpersonal communication, motivation, positive reinforcement, leadership processes and styles, conflict and change management, stress, prejudice, discrimination, group dynamics and personal development. **F, S**

**MGMT 2570 Human Resource Management ..... 3 credits**  
A survey of the principles and policies relating to the personnel function of a business. Topics covered include job analysis, forecasting, recruiting, training, and evaluation, and government policies and legal decisions. **As required**

**MGMT 2590 Business Presentations ..... 3 credits**  
A capstone course designed to teach formal presentation skills for use in a business environment. Students will learn how to design, produce and present comprehensive business documents. The course will emphasize skills required to produce professional high quality documents. Word processing; desktop publishing, and business presentation software will be utilized.

Communication and presentation skills (written and oral) must be demonstrated. Students should take this course in the last semester of their program. (Prerequisites: Last semester prior to graduation or permission of instructor) **S**

**MGMT 2980 Students in Free Enterprise Practicum ..... 2 credits**

A course designed to provide students the opportunity to develop leadership, teamwork and communication skills through practicing and teaching the principles of free enterprise. **S**

**MGMT 2990 Special Problems in Management ..... 1-6 credits**

Special problems dealing with topics related to business. **As required**

## MATHEMATICS

*(Calculators are required in all mathematics courses.)*

### Developmental Mathematics (DSPM)

**\*\*DSPM 0700 Basic Mathematics ..... 3 credits**

A pre-algebra course including problem solving with fractions, percents, proportions, integers, geometry, variables, simple linear equations, tables and graphs. Satisfactory completion of this course allows the student to exit to DSPM 0800 Elementary Algebra. (Prerequisite: admission is only by the college assessment and placement procedure.) **F, S, Su**

**\*\*DSPM 0800 Elementary Algebra ..... 3 credits**

This course extends the topics of DSPM 0700 and includes problem solving with algebraic expressions including simple trinomial factoring, and linear equations, inequalities, and functions. Satisfactory completion of this course allows the student to exit to DSPM 0850 Intermediate Algebra. (Prerequisite: admission is only by the college assessment and placement procedure or successful completion of DSPM 0700 Basic Mathematics) **F, S, Su**

**\*\*DSPM 0850 Intermediate Algebra ..... 3 credits**

This course extends the topics of DSPM 0800 and includes problem solving with polynomial, quadratic, rational, and radical functions. Satisfactory completion of this course allows the student to exit to college-level mathematics. (Prerequisite: admission is only by the college assessment and placement procedure or successful completion of DSPM 0800 Elementary Algebra.) **F, S, Su**

**\*\*DSPM 0870 Elementary/Intermediate Algebra ..... 6 credits**

This course is a combination of DSPM 0800 and DSPM 0850 and covers the competencies and skills listed above for each of these courses. It provides an opportunity for completion of the requirements for DSPM 0800 and DSPM 0850 in the same semester. (Prerequisite: Admission is only by the college assessment and placement procedures or successful completion of DSPM 0700 Basic Mathematics. Permission of the instructor is also required.) **F, S**

\*\*These courses constitute the TBR required sequence based on placement.

## College Mathematics (MATH)

*(Calculators are required in all mathematics courses.)*

**MATH 1410□ Number Concepts and**

**Algebraic Structure ..... 3 credits**

Students will use problem solving and logic to develop number sense and a conceptual understanding of number systems, number operations, number theory, and functions. These concepts will be explored using manipulative materials, collaborative activities, and technology. (Prerequisite: Two years of algebra or completion of developmental mathematics.)

**MATH 1420□ Problem Solving, Geometry and**

**Statistics ..... 3 credits**

Students will use problem solving and logic to explore and develop concepts in geometry, measurement, probability, and statistics. These concepts will be explored using manipulative materials, collaborative activities, and technology. (Prerequisite: Two years of algebra or completion of developmental mathematics.)

**MATH 1530□ Probability and Statistics ..... 3 credits**

An introduction to probability and statistics without calculus including descriptive statistics, probability distributions, the normal distribution, testing hypotheses, the t-test, and estimates and sample sizes. The student should check transfer institution catalogs to decide between MATH 1530 and MATH 2050 Probability and Statistical Applications. (Prerequisite: Two years of high school algebra or completion of developmental mathematics.) *(formerly MATH 1080)* **F, S, Su**

**MATH 1630□ Finite Mathematics ..... 3 credits**

A course in algebraic, logarithmic, and exponential functions. Other topics include systems of linear equations and inequalities, matrices, linear programming, and mathematics of finance. (Prerequisite: Two years of algebra or completion of developmental mathematics.) *(formerly MATH 1022 and MATH 1610)* **F, S, Su**

**MATH 1710□ Pre-Calculus (Algebra) ..... 3 credits**

A pre-calculus course in the theory and application of polynomial, logarithmic, exponential, rational, power and inverse functions. This course is designed for people majoring in technical fields and to prepare students to take MATH 1910 - Calculus I. Students should consult with their advisor to decide among MATH 1530, MATH 1630 and MATH 1710. (Prerequisite: two years of high school algebra or completion of developmental mathematics.) *(formerly MATH 1035)* **F, S**

**MATH 1720□ Pre-Calculus (Trigonometry) ..... 3 credits**

A pre-calculus course in trigonometric functions. Preparation for MATH 1910 and to satisfy the requirements of other technical and pre-professional programs. (Prerequisite: MATH 1630 or MATH 1710 or permission of instructor.) (MATH 1710 is the preferred prerequisite for math, science, and engineering majors) *(formerly MATH 1040)* **F, S, Su**

**MATH 1830□ Calculus A ..... 3 credits**

A one-semester course in the differential and integral calculus of algebraic, exponential, and logarithmic functions with applications. (Prerequisite: MATH 1630 or 1710 or permission of the instructor.) *(formerly MATH 1032)* **F, S, Su**

**MATH 1910□ Calculus I ..... 4 credits**

A standard first-semester course in single variable calculus and analytic geometry especially for students of science, engineering, mathematics, secondary mathematics education, and

scientific computer science. Differential and integral calculus with applications. (Prerequisites: Two years of algebra and half a year of trigonometry in high school plus satisfactory placement scores, or MATH 1720) (*formerly MATH 1110*) **F, S, Su**

**MATH 1920**  $\square$  **Calculus II** ..... 4 credits

A standard second-semester course in single variable calculus and analytic geometry. Further work with differential and integral calculus with applications including integration by parts, trigonometric substitution, infinite series, power series, and polar coordinates. (Prerequisite: MATH 1910) (*formerly MATH 1120*) **S, Su**

**MATH 1910** **Honors Calculus I** ..... 4 credits

A first-semester honors course in single variable calculus and analytic geometry especially for students of science, engineering, mathematics, secondary mathematics education, and scientific computer science. Differential and integral calculus with applications. (Prerequisites: Two years of algebra, a year of geometry, and a half a year of trigonometry in high school plus satisfactory placement scores, or MATH 1720. ACT Math subscore of 24 or permission of instructor required.) **F, S**

**MATH 1920** **Honors Calculus II** ..... 4 credits

A second-semester honors course in single variable calculus and analytic geometry. Further work with differential and integral calculus with applications including integration by parts, trigonometric substitution, infinite series, power series, and polar coordinates. Graphing calculator and computer demonstrations and projects related to calculus will be included. (Prerequisite: MATH 1910. ACT Math subscore of 24 or permission of instructor required.) **S, Su**

**MATH 2050**  $\square$  **Probability and Statistical**

**Applications** ..... 3 credits

A course in data collection, descriptive statistics, including measures of central tendency, variation and time series analysis; concepts of probability and probability distributions, binomial and normal distributions, process improvement, linear correlation and regression; properties of samples and populations, statistical inference, including estimation and significance tests for means, contingency tables. (Students cannot receive credit for both MATH 2050 and ECON 2210.) (Prerequisite: MATH 1830 or MATH 1910) (*formerly MATH 2900*) **F, S**

**MATH 2110**  $\square$  **Calculus III** ..... 4 credits

Calculus of functions in two or more dimensions. Includes solid analytic geometry, partial differentiation, multiple integration, and selected topics in vector calculus. (Prerequisite: MATH 1920) (*formerly MATH 2210*) **F**

**MATH 2110** **Honors Calculus III** ..... 4 credits

A third-semester honors course in the calculus of functions in two or more dimensions. Includes solid analytic geometry, partial differentiation, multiple integration, and selected topics in vector calculus. (Prerequisite: MATH 1920) ACT Math subscore of 24 or permission of instructor required. **F**

**MATH 2120**  $\square$  **Differential Equations** ..... 3 credits

A first course, emphasizing solution techniques. Includes first-order equations and applications, theory of linear equations, equations with constant coefficients, Laplace transforms, and series solutions. (Prerequisite: MATH 2110) (*formerly MATH 2710*) **S**

**MATH 2910** **Readings in Mathematics** ..... 1-3 credits

Individual or group study in selected mathematical topics with faculty guidance. May be repeated for a maximum of nine credit hours. The format may include individual projects, readings, or papers. (Prerequisite: Consent of a faculty mentor to supervise the study.)

## MARKETING (MKTG)

**MKTG 1010** **Marketing Management** ..... 3 credits

Designed to provide a basic understanding of the functions of marketing in a capitalistic society. The course is designed to provide theoretical understanding of basic marketing concepts and functions, in addition to practical experiences within the business community. **As required**

## MASS COMMUNICATIONS (MCOM)

**MCOM 1020** **Introduction to Mass**

**Communications** ..... 3 credits

Nature, functions, responsibilities of mass communications media and agencies. Survey of newspapers, magazines, radio, television, film, advertising, public relations, press associations, and specialized publications. **F**

**MCOM 1040** **Writing for Mass Media** ..... 3 credits

Information gathering and writing for print and broadcast, including news and promotional copy; grammar, usage, and style workshop is an integral part of the course. (Could substitute for one semester of college-level English for non-university-transfer students.) **S** (Biennially)

**MCOM 2020** **Introduction to Film and**

**Media Criticism** ..... 3 credits

This course surveys various approaches to film and media criticism. The course examines the various genres, both historical and contemporary, of American film and television. Emphasis will be given to audience strategies for viewing and evaluating film and television from a Speech Communication perspective. (Students cannot receive credit for both MCOM 2020 and SPCH 2050) **As required**

**MCOM 2030** **Reporting** ..... 3 credits

Instruction and laboratory practice in gathering information and writing types of stories handled by professional newspaper reporters. Assignments include coverage of beats for the campus newspaper. **S** (Biennially)

**MCOM 2600** **Survey of Broadcasting** ..... 3 credits

The study of the development of the broadcast industry and its present structure, FCC and other regulatory agencies, station and network operations and their effect on society. **S** (Biennially)



## MEDICAL CODING (MDCD)

### MDCD 1010 Basic ICD-9-CM Coding ..... 3 credits

This course covers the classification systems employed to organize medical information for future retrieval. The ICD-9-CM classification system is emphasized including its use for prospective payment systems. Course work focuses on acquiring skills in coding disease and procedures and abstracting medical data. This course is a combination of classroom and on-line instruction. This course includes extensive use of computers and coding software. (Prerequisite or corequisite: MDTR 1010) F

### MDCD 1020 Basic CPT/HCPCS Coding ..... 3 credits

This course covers the basic principles of coding with CPT/HCPCS. Instruction on outpatient coding, including structure, rules and guidelines. Students will develop skills in using CPT to report reimbursable services. This course is a combination of classroom and on-line instruction. This course includes extensive use of computers and coding software. (Prerequisite or corequisite: MDTR 1010) F

### MDCD 1030 Intermediate ICD-9-CM Coding ..... 3 credits

A continuation of the study of the ICD-9-CM classification system emphasizing its use for prospective payment systems. Course work focuses on acquiring advanced skills in coding diseases and procedures and abstracting medical data. This course includes extensive use of computers and coding software. (Prerequisites: MDCD 1010, HITC 2010; Corequisite: MDTR 1030) S

### MDCD 1040 Advanced Coding for Reimbursement .... 3 credits

This course is a comprehensive study of reimbursement procedures for the prospective payment system (DRGs) and outpatient services (APCs). Coding issues are emphasized and optimization skills developed and applied. This course includes a clinical practicum in a medical facility. This course is a combination of classroom and online instruction. This course includes extensive use of computers and coding software. (Prerequisite: MDCD 1010, MDCD 1020; Corequisite: MDCD 1030) S

*2 hours lecture / 3 hours clinical per week*

### MDCD 2990 Special Problems in

#### Medical Coding ..... 1-5 credits

This course covers special problems and/or current topics in diagnostic and procedural coding.

## MEDICAL INSURANCE SPECIALIST (MDIS)

### MDIS 1010 Physician Office Billing ..... 3 credits

This course is designed to teach students legal issues affecting insurance claims and medical records, the health insurance claim form and the basics of health insurance, electronic data interchange, tracing delinquent claims, and insurance problem solving, collections strategies, health care payers including managed care systems, private insurance, Medicare, state programs, workers' compensation, Tricare and CHAMPVA and disability. (Corequisite: MDCD 1010, MDCD 1020) F

### MDIS 1020 Insurance Procedures Practicum ..... 3 credits

This course is designed to continue to teach students the health insurance claim form (UB-92), and insurance procedures and provide students a clinical practicum. The clinical practicum will be at health care facilities such as hospitals, clinics, and physicians

offices to provide the student hands-on training in a healthcare setting. (Prerequisites: MDTR 1010, MDCD 1010, MDCD 1020, MDIS 1010. Corequisite: MDTR 1030, CPSC 1100) S

*1 hour lecture, 4 hours practicum / week*

## MEDICAL TRANSCRIPTION (MDTR)

### MDTR 1010 Medical Terminology ..... 5 credits

An introductory study of medical terminology utilizing the body systems approach including anatomy and physiology, laboratory/pathology terms, pharmacology concepts, terms and abbreviations. This is an online course that meets in person once for orientation to using online software. F, Su

### MDTR 1020 Basic Medical Transcription Lab..... 4 credits

Transcription practice utilizing the body system approach to dictated medical reports such as histories and physicals, consultations, operative reports, admission and discharge summaries, pathology and x-ray reports. Emphasis includes proofreading and revising copy, applying correct language skills and medical terms. (Pre/Corequisites: ADOA 1040 and MDTR 1010) F

*8 hours lab / week*

### MDTR 1030 Fundamentals of Medical Science ..... 3 credits

Study of diagnoses, signs and symptoms, surgical and diagnostic procedures, medical equipment and instruments, laboratory and pharmacology applications utilizing the body system approach. Emphasis includes current therapies and special procedures. This is an online course that meets in person once for orientation to using online software. (Prerequisite: MDTR 1010) S

### MDTR 1040 Advanced Medical Transcription Lab ..... 5 credits

Transcription practice utilizing authentic physician-dictated reports organized by body systems or medical specialties. Emphasis on accuracy, speed, and medical knowledge for transcription. Content includes grammar and punctuation review, editing and proofreading, and use of reference materials. (Prerequisite: MDTR 1020 and pre/corequisite: MDTR 1030) S

*10 hours lab / week*

### MDTR 1050 Clinical Practicum ..... 3 credits

The clinical practicum provides on-the-job experience prior to employment. Practical experience with original medical dictation and reports, as well as dictation systems, assigning work, report searches and patient data searches. (Pre/Corequisite: MDTR 1040) S

*6 hours clinical / week*

### MDTR 2990 Special Problems in

#### Medical Transcription ..... 1-5 credits

A course designed to expand creative offerings in medical transcription by pursuing topics in depth or by addressing specific topics to targeted groups.

## MILITARY SCIENCE (MILS)

### MILS 1030 Bushcraft Skills ..... 1 credit

Instruction in adventure-oriented skills necessary for outdoor survival. Focus is on basic leadership development with a hands-on approach to classroom instruction. Includes techniques of land navigation, rappelling, and marksmanship. Periodic special events, i.e. white water rafting. Open to all students. Assists interested students in applying for Army ROTC scholarships.

### MILS 1040 Military History of the United States ..... 3 credits

Provides instruction in the historical role of the military in the growth and development of the United States. A review of the major causes of and overall strategies of significant historical battles and campaigns of the U.S. Army will be completed.

### MILS 2010 Leadership and Management I ..... 2 credits

The course is divided into five major areas: Leadership, Physical Training, Map Reading, Written and Oral Communications, and Basic Tactical Skills to include a field training exercise. The emphasis during Leadership Lab will be to teach the MILS II cadet drill and ceremonies and place the cadet in those situations which will develop his/her leadership ability, self-confidence, and technical proficiency.

### MILS 2020 Leadership and Management II ..... 2 credits

The course is divided into five major areas: First Aid, Physical Training, Radio Communications, Written and Oral Communications, and Basic Tactical Skills to include a field training exercise. The emphasis during Leadership Lab will be to teach the MILS II cadet drill and ceremonies tactical skills and place the cadet in those situations which will develop his/her leadership ability, self-confidence, and technical proficiency.

## MUSIC (MUS)

### MUS 1000 Introduction to the Arts ..... 3 credits

An introductory course to the fine arts designed to remove high school deficiency only. Areas of investigation and participation will include art, drama, and music. Study will include how to produce or perform works of art, how to analyze, interpret, and evaluate artworks, and knowledge of stylistic periods in the arts.

### MUS 1020 Fundamentals of Music ..... 3 credits

A study of the basic elements of music structure, scales, intervals, key signatures, meter, note values, triads, simple harmony, and sight singing. This course may be required of music majors whose Theory Placement exam indicates a need for remedial work. F

### MUS 1030 Music Appreciation ..... 3 credits

An introduction to music through listening to recordings of standard works, lectures, recitals and other media to encourage cultural development. (formerly MUSC 2100) F, S, Su

### MUS 1040 Ear Training I ..... 1 credit

Development of proficiency in identifying aurally and writing basic rhythmic, melodic, and harmonic progressions of traditional music. Designed to be taken concurrently with MUS 1110. Required for freshman music majors. S

### MUS 1045 Ear Training II ..... 1 credit

A continuation of MUS 1040 using more advanced melodies and harmonic procedures. Designed to be taken concurrently with MUS 1120. Required for freshman music majors. F

### MUS 1050 Concert Choir ..... 1 credit

A choral singing organization for students desiring a musical experience which includes learning quality literature and public performances. F, S

### MUS 1060 College-Community Chorale ..... 1 credit

A choral organization for community members and students which presents public concerts throughout the academic year. F, S

### MUS 1070 Survey of Popular Music: Country Music..... 3 credits

A chronological study of country music through listening to recordings of standard works, lectures, and other media. Students will develop an understanding of country music and its role in their culture.

### MUS 1072 Survey of Popular Music: Rock and Roll ... 3 credits

A chronological study of rock and roll music through listening to recordings of standard works, lectures, and other media. Students will develop an understanding of rock and roll music and its role in their culture.

### MUS 1074 Survey of Popular Music: Jazz ..... 3 credits

A chronological study of jazz music through listening to recordings of standard works, lectures, and other media. Students will develop an understanding of jazz music and its role in their culture.

### MUS 1076 Survey of Popular Music: Folk ..... 3 credits

A chronological study of folk music through listening to recordings of standard works, lectures, and other media. Students will develop an understanding of folk music and its role in their culture.

### MUS 1078 Survey of Sacred Music ..... 3 credits

A chronological study of sacred music through listening to recordings of standard works, lectures, and other media. Students will develop an understanding of sacred music and its role in their culture.



**MUS 1090 Jazz Band ..... 1 credit**

A concert band which will represent the college in public performances; stage band and other ensembles will be selected from this organization. Individual practice as assigned. (Prerequisite: permission of instructor) **F, S**

**MUS 1110 Theory I ..... 3 credits**

A study of four part harmony of the 18th and 19th centuries using triads and seventh chords. Students will construct and analyze chord progressions and melodies. Required for freshman music majors. (Prerequisite: score of 80% or better on Theory Placement exam) **S**

**MUS 1120 Theory II ..... 3 credits**

A continuation of Music 1110 using more advanced techniques. Required for sophomore music majors. (Prerequisite: MUS 1110) **F**

**MUS 1510 Class Voice I ..... 3 credits**

Group instruction in basic techniques of breathing, tone production, diction, phrasing, using simple song repertoire. Daily practice required. **F**

**MUS 1520 Class Voice II ..... 3 credits**

A continuation of Music 1510 with advanced techniques of voice production, solo literature and application to training choral groups. Daily practice required. (Prerequisite: MUS 1510 or permission of the instructor) **S**

**MUS 1565 Brass Ensemble ..... 1 credit**

Brass ensemble will meet for two hours a week and perform at least once every semester. Both credit and non-credit participants are encouraged to participate in this ensemble. This class is open to those who play brass instruments and who desire to study classical brass literature and practices.

**MUS 1610 Class Piano I ..... 2 credits**

Group instruction in basic piano techniques for students with no prior training in piano. Daily practice required. May be required of music majors according to score on piano proficiency. **F, S**

**MUS 1620 Class Piano II ..... 2 credits**

A continuation of Music 1610 applied to accompanying classroom and simple choral repertoire. Daily practice required. May be required of music majors according to score on piano proficiency. (Prerequisite: MUS 1610 or permission of the instructor) **F, S**

**MUS 1710/1720 Commercial Vocal Styles I and II .... 1/1 credit**

A study of the major styles of commercial music with attention to the characteristics that distinguish each.

**MUS 1730 Choral Studies ..... 1 credit**

Participation and public performances of a variety of popular and commercial music. Open by audition only. **F, S**

**MUS 1740 Choral Performance Ensemble ..... 1 credit**

Students will participate in public performance of SSA-Women's Choir and TTBB-Men's Choir choral literature. **F, S**

**MUS 1745 Music Business ..... 3 credits**

A systematic look at career options in the music industry. Topics discussed include: songwriting, record contracts, music publishing, national and international copyright law, music licensing, artist management, and concert promotion.

**MUS 1750/1760 Commercial Instrumental****Styles I & II ..... 1/1 credit**

Commercial Instrumental Styles is designed for instrumentalists who plan to work in the entertainment industry as a studio musician or performer. Emphasis is placed on 1) playing different styles of music, 2) improvisation, 3) learning to play a chord chart and 4) ear training.

**MUS 1770 Backbeat ..... 3 credits**

This ensemble is an audition only group that incorporates vocal performance, dance and drama. It is the premiere performance group of the Professional Entertainment Program. A wide variety of music is performed, including, but not limited to Broadway musical revues, Pop, Madrigal/Medieval drama/dance/songs. Students participate in concerts throughout the semester. Ensemble meets four days a week. Open by audition only. **F, S**

**MUS 1810 Class Guitar I ..... 3 credits**

Group instruction in basic guitar techniques for students with no prior training in guitar. Daily practice required. **F**

**MUS 1820 Class Guitar II ..... 3 credits**

A continuation of MUS 1810 with advanced techniques of guitar production and solo literature. Daily practice required. (Prerequisite: MUS 1810 or permission of the instructor) **S**

**MUS 1912 Individual Music Instruction - Voice ... 1-2 credits**

One 30-minute (1 credit) or 50-minute (2 credits) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1922 Individual Music Instruction -****Keyboard ..... 1-2 credits**

One 30-minute (1 credit) or 50-minute (2 credits) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1932 Individual Music Instruction -****Instrument ..... 1-2 credits**

One 30-minute (1 credit) or 50-minute (2 credits) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1933 Individual Music Instruction - Guitar ... 1-2 credits**

One 30-minute (1 credit) or 50-minute (2 credit) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1934 Individual Music Instruction -****Woodwinds ..... 1-2 credits**

One 30-minute (1 credit) or 50-minute (2 credit) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1935 Individual Music Instruction - Brass .... 1-2 credits**

One 30-minute (1 credit) or 50-minute (2 credit) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1936 Individual Music Instruction -**

**Percussion** ..... 1-2 credits  
One 30-minute (1 credit) or 50-minute (2 credit) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required. **F, S**

**MUS 1937 Individual Music Instruction -**

**Strings** ..... 1-2 credits  
One 30-minute (1 credit) or 50-minute (2 credit) lesson per week with an instructor. Daily practice required. Examinations each semester. Public performance may be scheduled. Lab fee required.

**MUS 2010 Advanced Ear Training I** ..... 1 credit

Development of proficiency in identifying aurally and writing advanced rhythmic, melodic and harmonic progressions of traditional music. Designed to be taken concurrently with MUS 2110. Recommended class for transfer purposes for sophomore music majors. **S**

**MUS 2020 Advanced Ear Training II** ..... 1 credit

A continuation of MUS 2010 using more advanced melodies and harmonic procedures. Designed to be taken concurrently with MUS 2120. Recommended class for transfer purposes for sophomore music majors.

**MUS 2090 College-Community Symphonic Band** ..... 1 credit

An instrumental organization with rehearsals meeting once each week in the evening. Auditions are open to all adult college or highschool students seeking admission. Public performances may be scheduled. (Prerequisite: Permission of the director) **F, S**

**MUS 2110 Advanced Theory I** ..... 3 credits

A study of advanced harmonic progressions and melodic structures of the 17<sup>th</sup> to 19<sup>th</sup> centuries. Students will analyze advanced harmonic progressions and melodies as well as larger forms of musical composition. Recommended class for transfer purposes for sophomore music majors. Prerequisite: MUS 1120. **S**

**MUS 2120 Advanced Theory II** ..... 3 credits

A study of advanced harmonic and melodic structures of the 19<sup>th</sup> and 20<sup>th</sup> centuries. Recommended class for transfer purposes for sophomore music majors. Prerequisite: MUS 2110.

**MUS 2990 Music Problems** ..... 1-3 credits

A course featuring in-depth study in the field of music. The course may be repeated for credit provided the theme is not repeated. (Prerequisite: consent of division chair) **F, S**

**NURSING (NURS)****NURS 1001 Basic Life Support for Healthcare**

**Providers** ..... 1 credit  
This course is designed to teach the skills of CPR for victims of all ages. The course includes cognitive information on the chain of survival including cardiac and respiratory emergencies. Skills to be performed include: CPR for victims of all ages, relief of foreign-body airway obstruction, ventilation barrier devices, bag-mask devices, and use of an automated external defibrillator. Upon successful completion of this course, participants will receive an American Heart Association course completion card for the BLS for Healthcare Provider Course. The course is recommended for healthcare providers and health care majors. **F**

**NURS 1002 Test Taking Strategies** ..... 1 credit

This course is designed for the beginning student nurse preparing to take tests within and at the completion of nursing fundamental courses. The information presented is designed to maximize success by helping students to develop a positive attitude, understand critical thinking, study and learn more effectively and become test-wise by identifying steps in analysis of a test question. **F**

**NURS 1003 Drug Dosage Calculation** ..... 1 credit

A course including systems of measurement, converting dosages among systems, and the calculation of drug dosages as part of the nursing responsibility of administering medications. Mathematical operations using fractions and decimals, calculation of oral and injectible doses of medicines, and calculation and regulation of intravenous flow rates are included. This course is specifically designed for prospective or enrolled nursing students who need more practice and instruction to master calculation skills than is provided in NURS 1130 Pharmacology. **F, S**

**NURS 1004 Introduction to Medical Terminology** ..... 1 credit

Using a body system approach, this course is a basic study of the development and usage of medical terminology. Upon completion of this course, the student will be able to identify, spell and define medical terms related to the diagnosis, pathology and treatment of the major body systems. **F, S**

**NURS 1030 Fundamentals of Nursing I** ..... 3 credits

This course introduces the philosophy and central competencies of the Associate of Applied Science in Nursing. The central competencies flow from the philosophy and organizational framework and are the basis for theory skills, and clinical experiences. The focus is on nursing as a discipline; the nursing process; the person as a psychosocial, spiritual, cultural being; health promotion; environmental safety; and communication. (Prerequisite: admission to nursing major or permission of department)

**NURS 1040 Fundamentals of Nursing II** ..... 3 credits

This course is a continuation of Fundamentals I, which builds on the central competencies of the nursing program. The student is introduced to essential life functions including: protective, comfort/rest, activity/mobility; nutrition, elimination, fluid/gas transport. The focus is on nursing, the nursing process with emphasis on assessment, the client with normal or variations of normal functions, health promotion, environment, and communication. Basic management principles are introduced to assist the student to organize client care. (Prerequisite: admission to nursing major or permission of department. Corequisite: NURS 1041)

**NURS 1041 Fundamentals of Nursing II - Clinical .... 2 credits**

This clinical course is an extension of Fundamentals I and Fundamentals II, which continues to build on the central competencies of the nursing program. The focus remains on nursing, the nursing process with emphasis on assessment, the client with normal or variations of normal life functions, health promotion, environment, and communication in a variety of clinical settings. Basic management principles are applied to client care. (Prerequisite: admission to nursing major or permission of department. Corequisite: NURS 1040)

**NURS 1050 Medical-Surgical Nursing I ..... 4 credits**

With a continued emphasis on assessment, the focus of this course is on planning, implementing and evaluating strategies to promote, maintain and restore optimum health for diverse clients across the lifespan experiencing alterations in life function(s). The course evolves around nursing, nursing process, and clients experiencing alterations in specified life functions: protective, fluid/gas transport, elimination, nutrition/metabolism and growth and development. Management principles and therapeutic communication are incorporated into the plan of care for clients experiencing alterations in life functions. (Prerequisites: NURS 1030, 1040, 1041. Corequisite: NURS 1051)

**NURS 1051 Medical-Surgical Nursing I - Clinical ..... 3 credits**

The clinical course operationalizes the development and implementation of plan(s) of care to promote, maintain and restore optimum health for diverse clients experiencing alterations in specified life function(s); protective, fluid/gas transport, elimination, nutrition/metabolism and growth and development. The student will apply management principles and use therapeutic communication while providing care to client(s) in a variety of clinical settings: acute care, ambulatory and community based settings. (Prerequisite: NURS 1030, 1040, 1041. Corequisite: NURS 1050)

**NURS 1060 Mental Health Nursing ..... 2 credits**

This course applies the nursing process to promote, maintain and restore optimum health for diverse clients experiencing alterations and variations in psychosocial-cultural life functions. The course is structured around eight core competencies applied to clients with mental health. Emphasis is on health promotion, therapeutic communication and legal-ethical aspects of mental health nursing. (Prerequisites: NURS 1050/1051. Corequisite: NURS 1061)

**NURS 1061 Mental Health Nursing - Clinical ..... 1 credit**

This clinical course focuses on care of the client across the lifespan with variations and alterations in mental health. The core competencies flow from the philosophy and organizational framework and are the basis for skills and clinical competencies. The nursing process will be applied to client care in inpatient and outpatient settings, focusing on health promotion, therapeutic communication, caring interventions and the legal/ethical aspects of mental health nursing. (Prerequisites: NURS 1050/1051. Corequisite: NURS 1060)

**NURS 1100 Nursing Concepts and Processes ..... 1 credit**

The study of the concepts and processes fundamental to the practice of nursing in meeting patient needs. (Prerequisites: BIOL 2010/2011, 2020/2021. Corequisites: NURS 1130, 1150, 1160/1161) **F, S**

**NURS 1130 Pharmacology ..... 3 credits**

An introduction to nursing responsibilities related to the broad classifications of drugs and how they work in the body. (Prerequisites: BIOL 2010/2011, 2020/2021. Corequisites: NURS 1100, 1150, 1160/1161) **F, S**

**NURS 1150 Nursing Skills ..... 1 credit**

The study and application of nursing skills necessary in meeting patient needs. Clinical experiences are in the skills lab. (Prerequisites: BIOL 2010/2011, 2020/2021. Corequisites: NURS 1100, 1130, 1160/1161) **F, S**

*3 hours clinical experience*

**NURS 1160/1161 Introduction to Nursing Process ..... 4 credits**

An introduction to the practice of nursing, this course focuses on meeting patient needs, with the application of fundamental concepts and the beginning development of nursing competencies. Clinical experiences are in nursing homes and hospitals. (Prerequisites: BIOL 2010/2011, 2020/2021. Corequisites: NURS 1100, 1130, 1150 and satisfactory progress in NURS 1150) **F, S**

*3 hours lecture / 3 hours clinical experience*

**NURS 1170 Nursing Process - CM ..... 13 credits**

This course is designed for the career mobility LPN to RN student. Credit for this course is earned through the successful completion of NURS 1180/1181.

**NURS 1180/1181 Transition to Nursing ..... 6 credits**

This is an introductory course for licensed practical nurses, transfer students, and students designated by the dean of Health Programs. It is designed to assess and evaluate the students' current knowledge of nursing content and nursing skills. Additional learning activities in the classroom, skills lab, computer lab and clinical setting will be utilized to prepare these students for progression to the 2000 level nursing courses. (Prerequisites: BIOL 2010/2011, 2020/2021) **Su**

*5 hours lecture / 3 hours clinical experience*

**NURS 2600/2601 Nursing Process I ..... 10 credits**

Based on the nursing process, this course focuses on the care of special populations in hospital and community settings. Competencies of assessment, collaboration, communication, management of care, clinical interventions, clinical decision-making, professional behaviors and teaching-learning are emphasized. Clinical experiences are in parent/child, psychiatric hospital settings and community sites. (Prerequisites: NURS 1100, 1130, 1150, 1160/1161 or 1180/1181. **F, S**

*6 hours lecture / 12 hours clinical experience*



**NURS 2610/2611 Nursing Process II ..... 10 credits**

Based on the nursing process, this course focuses on health promotion in meeting patient needs. Competencies of assessment, collaboration, communication, management of care, clinical interventions, clinical decision-making, professional behaviors and teaching-learning are emphasized. Clinical experiences are in a variety of health care settings. (Prerequisites: NURS 1100, 1130, 1150, 1160/1161 or 1180/1181.) **F, S**

*6 hours lecture / 12 hours clinical experience*

**NURS 2620/2621 Nursing Process III ..... 5 credits**

Based on the nursing process, this course further develops the competencies of assessment, collaboration, communication, management of care, clinical interventions, clinical decision-making, professional behaviors and teaching-learning to meet complex patient needs. Clinical experiences are in a variety of health care settings. (Prerequisites: NURS 2600/2601, 2610/2611, BIOL 2510/2511. Corequisites: NURS 2630/2631.) **S**

*3 hours lecture / 6 hours clinical experience*

**NURS 2630/2631 Nursing Process IV ..... 4 credits**

This course focuses on the application of the nursing process in roles of leadership and management utilizing competencies of assessment, collaboration, communication, management of care, clinical interventions, clinical decision-making, professional behaviors and teaching-learning. Emphasis is on the development of professional behaviors. Clinical experiences are within health care system and the community. (Prerequisites: NURS 2600/2601, 2610/2611, BIOL 2510/2511. Corequisites: NURS 2620/2621.) **S**

*2 hours lecture / 6 hours clinical experience*

**NURS 2990 Special Problems in Nursing ..... 1-5 credits**

Special problems or areas of interest for nursing students.

## PARAMEDIC TECHNOLOGY (PARA)

**PARA 2010 Paramedic Roles and Responsibilities ..... 1 credit**

Students are introduced to the role of the EMT-Paramedic in the health care delivery system. Duties and responsibilities of the EMT-Paramedic as well as legislation affecting job performance are covered. Other topics discussed include medical ethics, patient's rights, and professional interactions.

**PARA 2020 Human Systems and Patient Assessment ..... 4 credits**

Overview of anatomy and physiology of each system of the body. Use of medical terminology, construction of medical terms, using roots and prefixes, and procedures for patient assessment including the patient's medical history, physical examination, and transfer of collected information to the supervising physician are included.

**PARA 2030 Shock Trauma ..... 3 credits**

A study of the mechanism of injury, kinematics, multi-systems injury, signs and systems, and treatment. The pathophysiology of shock, types of shock and treatment are included.

**PARA 2040 Medical Emergencies ..... 3 credits**

Assessment of management for victims of poisoning, bites, stings. Drug and alcohol emergencies. Epinephrine module. Assessment and management of heart attack, stroke, diabetic emergencies, and dyspnea. Principles of early defibrillation. Seizures, communicable diseases, geriatrics, and acute abdomen along with other advance skills are covered.

**PARA 2050 Behavioral Crises and Stress ..... 1 credit**

This course will discuss the cause and effect relationship of anxiety and stress as well as management techniques. Examination of various types of behavioral/psychological emergencies the paramedic may encounter with patients and specific procedures for handling each one.

**PARA 2060 Obstetrics and Pediatrics ..... 2 credits**

Anatomy and physiology of the female reproductive system and the technique for assessment of a patient with suspected obstetric and/or gynecologic disorder. Both normal and abnormal deliveries are discussed along with management of the delivery process. Complications of labor and delivery are discussed. Assessment of the pediatric patient and management of specific problems. The role of the EMT-Paramedic in a neonate transport system is discussed along with a review of specialized procedures.

**PARA 2070 Clinical Practicum I ..... 1 credit**

Experience to develop clinical competency in advanced life support assessment and practice. Initial rotations in the emergency department setting, anesthesia, limited field exposure, and selected rotations by the Paramedic Program instruction staff.

**PARA 2110 Cardiovascular System ..... 5 credits**

Discussion of the anatomy and physiology of the cardiovascular system, with emphasis upon the structure, function, and electrical system of the heart. Assessment of the patient with suspected cardiovascular problems is included. Pathophysiology is discussed including coronary artery disease, angina, acute myocardial infarction. Included is cardiopulmonary resuscitation, medical anti-shock trousers and mechanical heart-lung resuscitators.

**PARA 2120 Dysrhythmia Recognition and Treatment ..... 3 credits**

Introduction of the EMT-Paramedic to specific identification and treatment of all major cardiac arrhythmias. Specific treatment includes treatment protocols, electrocardiographic pacemakers, defibrillation/cardioversion, positioning for transport, and other treatment methods.

**PARA 2130 General Pharmacology and Fluid Therapy ..... 2 credits**

Discussion of the fluids and electrolytes in the body with emphasis placed upon the manifestation of fluid and electrolyte imbalances. Introduction of the student to general groups of drugs and classification of each. Also covers the kinds of information the students should know about each drug. Includes the calculation of dosages, the use of the metric system, and the administration of drugs through various routes.

**PARA 2170 Clinical Practicum II ..... 3 credits**

Advanced clinical rotations in small hospital and Level I trauma centers. Some limited field experience is built upon. Major emphasis is placed within coronary care, trauma, intensive care, labor and delivery, pediatrics, aeromedical operations, and selected rotations by the Paramedic Program instructional staff.

**PARA 2220 Advanced Cardiac Care ..... 1 credit**

This course correlates with the American Heart Association Advanced Cardiac Life Support curriculum. Studies include: anatomy and physiology of the cardiovascular system, dysrhythmia recognition/management, IV therapy, cardioversion/defibrillation therapy, cardiac-specific pharmacology, cardiac arrest management, endotracheal intubation, and other advanced skills.

**PARA 2230 Advanced Trauma Care ..... 1 credit**

This course correlates with the Basic Trauma Life Support Advanced curriculum. Course topics include: kinematics, patient assessment, airway management, thoracic trauma, shock management, fluid resuscitation, spinal trauma/management, head trauma, extremity trauma, abdominal trauma, burns, pediatric trauma, geriatric trauma, trauma in pregnancy, patients under the influence of alcohol and drugs, and traumatic cardiac arrest.

**PARA 2240 Field Practicum ..... 2 credits**

This course is a supervised field experience aboard ground-based mobile intensive care units. The student is assigned to one paramedic preceptor for this entire rotation. The paramedic preceptor will evaluate the student based upon field performance and ability to put together what has been learned in the classroom, laboratory and hospital clinical settings.

**PARA 2250 Advanced Pediatric Care ..... 3 credits**

Pediatric Advanced Life Support is covered through the study of anatomy and physiology of the neonate, infant, and child with an emphasis on caring for cardiac dysrhythmias, drug administration, IV therapy, defibrillation and monitoring, intubation, intraosseous infusion and other advanced skills.

**PARA 2270 Clinical Practicum III ..... 2 credits**

This course is a continuation of PARA 2170. Advanced clinical rotations in various hospital clinical rotations. This course is to be taken at the same time as PARA 2240.

**PARA 2290 Seminar in Rural Emergency****Medical Services ..... 1 credit**

This course will examine issues relevant to the unique rural pre-hospital emergency medical services delivery system. Topics for this course could include: telemedicine techniques, 12 lead ECG interpretation, critical care interfacility transport, rapid sequence induction and the like. An instructional component specific to national/state board preparation would also be included.

## PHARMACY TECHNICIAN (PHAR)

**PHAR 1000 Pharmacy Oriented Anatomy and Medical Terminology ..... 2 credits**

A course in anatomy and physiology with emphasis on the anatomical areas most affected by drugs. All anatomical systems will be discussed. Medical terminology will be oriented toward the needs of the pharmacy technician in the pharmacy setting. **F, S, Su**

*2 hours lecture*

**PHAR 1010/1011 Introduction to Pharmacy Technician Practice and Lab ..... 2 credits**

This course is an introduction to the practice of pharmacy in the institutional and community pharmacies with emphasis on the responsibilities of the pharmacy technician. Topics include prescription orders (interpretation and dispensing), legal and ethical aspects of support personnel, an overview of the healthcare system, utilization of research materials and computers, and drug distribution and control. **F, Su**

*1 hour lecture / 2 hours laboratory*

**PHAR 1020/1021 Pharmacy Calculations and Lab .... 3 credits**

A review of numbers, fractions, decimals and percentage with an introduction of calculations used in pharmacy practice. An emphasis will be placed on accuracy and the calculations involving alligation, ratio, flow rates, dilutions, proportions, and enlarging or reducing formulae, and dosage calculations. The student will learn household, Apothecary and metric equivalents and how to interpret and calculate dosages from prescriptions and physician orders. **F, Su**

*2 hours lecture / 2 hours laboratory*

**PHAR 1030 Pharmacology and Therapeutics ..... 3 credits**

This course discusses the general therapeutic classes of drugs and their interactions with the body. It will include common principles of pharmacology, major side effects of various drugs, nutritional products, blood modifiers, hormones, diuretics, cardiovascular, respiratory drugs and gastro-intestinal agents. It will also include drugs affecting the autonomic nervous system, muscle relaxants, anti-epileptic agents, analgesics, anti-inflammatory agents and anti-infective drugs. (Pre/corequisite: PHAR 1000) **F, S**

*3 hours lecture*

**PHAR 1050 Principles of Pharmacy Practice ..... 3 credits**

A study of novel and common pharmaceutical dosage forms and delivery systems as well as applications of pharmacy automation. The student will learn how to prepackage medications. Other topics include over-the-counter medications, herbal supplements, vitamins, and poisons/antidotes. (Pre/corequisite: PHAR 1000) **F, S**

*3 hours lecture*

**PHAR 1060/1061 Sterile Products Technology and Lab ..... 2 credits**

Provides an understanding of the fundamentals of the preparation of sterile dosage formulas. Topics include routes of drug administration, dosage form design, good manufacturing practices, injections, and sterile fluids. Lab exercises are designed to provide skill in compounding techniques, preparing solutions and using aseptic techniques with appropriate labeling and documentation. (Pre/corequisite: PHAR 1020/1021) **F, S**

*1 hour lecture / 2 hours laboratory*

**PHAR 1070 Pharmacy Jurisprudence and Ethics ..... 2 credits**

Discusses health and safety regulations, the welfare of pharmacy services recipients, state and federal laws governing pharmacy practice and drug distribution, pharmacy code of ethics, professional conduct related to pharmacy technicians and their activities, and the Pharmacy Practice Act and effective communications with patients, co-workers and other personnel. **F, S, Su**

*2 hours lecture*

**PHAR 2055 Institutional Pharmacy Practice ..... 3 credits**

A work-study experience providing practical experience under the direct supervision of a licensed pharmacist in a hospital and/or other health care institutional pharmacy practice. Emphasis will include reading and transcribing physician's orders, drug dispensing systems, purchasing and inventory control, use of reference materials, filling unit dose charts and preparing sterile injections. Experience with computers, aseptic technique, and safety practices will also be included. (Prerequisites: PHAR 1000, PHAR 1010/1011, PHAR 1020/1021, PHAR 1030, PHAR 1050, PHAR 1060/1061. Pre/corequisite: PHAR 1070 and consent of the program director.) **S, Su**

*9 hours practicum*

**PHAR 2080 Retail Pharmacy Practice ..... 3 credits**

This work-study course includes experience in a retail-community pharmacy with prescription and non-prescription products, their compositions and indications, distribution and control. Students will perform normal clerical and technician-level responsibilities under the direct supervision of a licensed pharmacist. This experience will also include use of computers, customer contact and practice with billing and insurance forms. (Prerequisites: PHAR 1000, PHAR 1010, PHAR 1020/1021, PHAR 1030, PHAR 1050, PHAR 1060/61. Pre/corequisite: PHAR 1070 and consent of the program director.) **S, Su**  
*9 hours practicum*

**PHAR 2990 Special Projects in**

**Pharmacy Technology ..... 1-5 credits**  
Special projects relating to current topics and special research on pharmacy topics. The topics may vary and the course may be repeated with approval of the program director. (Prerequisites: director's approval)

## PHYSICAL EDUCATION, HEALTH AND RECREATION (PHED)

\*Fitness Activity

†Lifetime Activity

**PHED 1010 Physical Conditioning \* ..... 1 credit**

A physical fitness program incorporating traditional exercises, circuit training, and aerobics to improve the physical state and promote lifetime fitness. (Activity Course) **F, S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1020 Adaptive Physical Education I ..... 1 credit**

An independent specialized activity program for the disabled student. (Activity Course) **F, S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1030 Adaptive Physical Education II ..... 1 credit**

An advanced independent specialized activity program for the disabled student. (Activity Course) **F, S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1110 Archery † ..... 1 credit**

Introduction of basic skills and techniques of shooting and to show ways archery may be utilized avocationally throughout their lifetime. (Activity Course)  
*1 hour lecture / 1 hour laboratory*

**PHED 1137 Power Walking \* ..... 1 credit**

A health oriented activity designed to provide instruction of walking programs necessary for achievement of lifetime fitness. A sequential series of routines formulated for better overall physical health and wellness related issues. Because of the activity versus exercise orientation of the course, final evaluation will be recognized by a grade of Pass (P) or Fail (F). **F, S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1140 Fitness for Life ..... 2 credits**

A compilation of health-oriented wellness dimensions designed to expand students' potential to live fuller lives by providing an individual program for personal wellness. An assessment will be made for cardiac risk, cardiac efficiency, and aerobic capacity. Evaluation will be given for body composition, flexibility, and muscular endurance. The course will include stress management and nutrition analysis. (Activity Course) **F, S**  
*1 hour lecture / 2 hours laboratory*

**PHED 1210 Badminton † ..... 1 credit**

Development of basic fundamental skills, rules, and strategy necessary to play the game of badminton. (Activity Course)  
*1 hour lecture / 1 hour laboratory*

**PHED 1220 Racquetball † ..... 1 credit**

Introduction of basic equipment, and basic skills, rules of the game, shot selection, and strategy of the game. Emphasis on safety for pleasurable racquetball. (Activity Course) **S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1250 Tennis † ..... 1 credit**

Introduction and development of skills, general rules, and strategy related to the game of tennis with particular emphasis on acquisition of skill. (Activity Course) **F, S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1310 Basketball † ..... 1 credit**

Development of basic skills, basic rules and strategy for the game situation. (Activity Course) **F, S**  
*1 hour lecture / 1 hour laboratory*

**PHED 1350 Softball † ..... 1 credit**

Introduction, development of basic skills and acquiring knowledge related to rules and strategy of softball. (Activity Course)  
*1 hour lecture / 1 hour laboratory*

**PHED 1410 Bowling † ..... 1 credit**

Introduction in acquisition of basic techniques of bowling, the conversion of spares, scoring, selecting equipment, bowling etiquette, and tips for fine tuning of techniques if you are an experienced bowler. (Activity Course) **F, S, Su**  
*1 hour lecture / 1 hour laboratory*

**PHED 1510 Contemporary Dance † ..... 1 credit**

An introduction of basic dance steps used in social, country and western, and jazz dances in our society. (Activity Course)  
*1 hour lecture / 1 hour laboratory*

**PHED 1520 Exerdance \* ..... 1 credit**

Aerobic exercises choreographed to music for improving over all physical fitness. Diet, nutrition, and body composition are included as they relate to good physical fitness. (Activity Course)  
*1 hour lecture / 1 hour laboratory*

**PHED 1530 Ballet I † ..... 2 credits**

Instruction and practice in elementary classical ballet techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1530)  
*1 hour lecture / 2 hours laboratory*

**PHED 1535 Ballet II † ..... 2 credits**

Instruction and practice in intermediate classical ballet techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1535)  
*1 hour lecture / 2 hours laboratory*

**PHED 1540 Jazz I † ..... 2 credits**

Instruction and practice in elementary classical jazz techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1540)  
*1 hour lecture / 2 hours laboratory*

**PHED 1545 Jazz II † ..... 2 credits**

Instruction and practice in intermediate classical jazz techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1545)  
*1 hour lecture / 2 hours laboratory*



- PHED 1550 Modern Dance I †** .....2 credits  
Instruction and practice in elementary classical modern dance techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1550)  
*1 hour lecture / 2 hours laboratory*
- PHED 1555 Modern Dance II †** .....2 credits  
Instruction and practice in intermediate classical modern dance techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1555)  
*1 hour lecture / 2 hours laboratory*
- PHED 1560 Tap Dance I †** .....2 credits  
Instruction and practice in elementary classical tap dance techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1560)  
*1 hour lecture / 2 hours laboratory*
- PHED 1565 Tap Dance II †** .....2 credits  
Instruction and practice in intermediate classical tap dance techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1565)  
*1 hour lecture / 2 hours laboratory*
- PHED 1570 Clogging †** .....2 credits  
Instruction and practice in elementary classical clogging techniques. May be repeated. Maximum 4 hours. (Equivalent to DANC 1570)  
*1 hour lecture / 2 hours laboratory*
- PHED 1610 Golf †** ..... 1 credit  
Development of basic skills and techniques of the strokes, general rules, and knowledge of the game. (Activity Course) **F, S, Su**  
*1 hour lecture / 1 hour laboratory*
- PHED 1710 Soccer †** ..... 1 credit  
Introduction, development of basic skills and acquiring knowledge related to rules and strategy of the game. (Activity Course)  
*1 hour lecture / 1 hour laboratory*
- PHED 1720 Weight Training \*** ..... 1 credit  
A health-related activity course designed to provide instruction in safety, systems knowledge, and technique that will allow the student to pursue lifetime fitness and wellness. The course further explores individual interests, capacities and limitations for the student with an activity. Final evaluation will be recognized by a letter grade of A, B, C, D or F. **F, S, Su**  
*1 hour lecture / 1 hour laboratory*
- PHED 1730 Volleyball †** ..... 1 credit  
The introduction and development of the basic fundamental skills, rules, and strategy related to the game of volleyball. (Activity Course)  
**F**  
*1 hour lecture / 1 hour laboratory*
- PHED 1810 Karate †** ..... 1 credit  
A study of techniques and practices that will result in an increase awareness of the students capacity for physical control by the knowledge and discipline of Karate. The course is designated to contribute to the philosophy of physical education in coordinating the dual nature of the human being – physical and mental. (Activity Course) **F, S**  
*1 hour lecture / 1 hour laboratory*
- PHED 1910 Aquatics \*** ..... 1 credit  
Development of basic and intermediate swimming strokes, survival floating, diving, and rescue techniques with emphasis on water safety. (Activity Course) **Su**  
*1 hour lecture / 1 hour laboratory*
- PHED 1920 Water Exercise \*** ..... 1 credit  
Aerobic exercising using the buoyancy and resistance of the water to improve overall fitness without stress and soreness to the muscles. All ages, fitness levels, co-ed, swimmers and non-swimmers. (Activity Course)  
*1 hour lecture / 1 hour laboratory*
- PHED 1930 Snow Skiing †** ..... 1 credit  
Introduction and development of basic knowledge and skills necessary for the safety and enjoyment of skiing. (Activity Course) **S**  
*1 hour lecture / 1 hour laboratory*
- PHED 2000 Personal Wellness** ..... 3 credits  
A compilation of health-oriented wellness dimensions designed to expand students' potential to live fuller lives, through behavioral and social science constructs while integrating various aspects of fitness that contribute to the quality of life.
- PHED 2010 Introduction to PHED** ..... 3 credits  
This course is designed to introduce Physical Education Majors to the history of Physical Education and to familiarize them with opportunities available in various fields. **F**
- PHED 2070 Sports Officiating** ..... 2 credits  
A detailed techniques and methods officiating course. It will cover rule interpretations, specific play situations and ethical behavior of the participant.
- PHED 2110 Human Motor Behavior** ..... 3 credits  
This course will provide current theories and principles explaining motor behavior; psychological factors related to and/or affecting motor skill acquisition, performance, and perceptual motor programs. **S**
- PHED 2310 Sport and Physical Activity in American Society** ..... 3 credits  
A course dealing with the social and psychological influences which affect behavior in sports settings and/or environments.
- PHED 2320 Care and Treatment of Athletic Injuries** ..... 3 credits  
Analysis, theory, and practice in the prevention, treatment and/or care of basic athletic injuries. **F**
- PHED 2810 Skills and Teaching of Elementary Activities and Movement Education** ..... 3 credits  
This course is designed to provide instruction and experiences in planning elementary physical education programs. Emphasis is on planning and teaching activities and movement experiences taught by the theme approach in dance, games, and gymnastics for elementary children. **S**
- PHED 2990 Problems in Health, Physical Education and Recreation** ..... 1 - 3 credits  
The course will be specifically designed to meet the unique need of the problems course in the field of health, physical education and recreation.

## PHILOSOPHY (PHIL)

**PHIL 1030** **Human Nature and Life** ..... 3 credits  
A study of philosophical perspectives of human nature and the meaning of life. **F, S**

**PHIL 1110** **Elementary Logic** ..... 3 credits  
An analysis of deductive logic, the rules of modern formal logic, the principles of validity, truth tables and elementary formal proofs of validity. (Prerequisite: Two years of high school algebra or successful completion of developmental mathematics) **S**

**PHIL 1600** **Issues in Philosophy** ..... 3 credits  
This course will cover current issues in philosophy. This course may be repeated for credit provided the theme is not repeated. **S**

**PHIL 2020** **Self & Values** ..... 3 credits  
A study of the concepts of "self" and "value." **F, S, Su**

**PHIL 2210** **Religions and Cultures** ..... 3 credits  
Introduction to the study of world religions such as Hinduism, Buddhism, Taoism, Shintoism, and Zen. (Exclusive of near-eastern religions.) **F, S**

## PHYSICS (PHYS)

**PSCI 1010/1011** **Physical Science I** ..... 4 credits  
Principles, concepts and topics related to physics and astronomy for non-science majors. (formerly **PHYS 1010/1011**) **F**  
*3 hours lecture / 3 hours laboratory*

**PSCI 1020/1021** **Physical Science II** ..... 4 credits  
Principles, concepts and topics related to chemistry, geology and oceanography for non-science majors. (formerly **PHYS 1020/1021**) **S**  
*3 hours lecture / 3 hours laboratory*

**PSCI 1030/1031** **Concepts of Earth and Space Science w/Lab** ..... 4 credits  
This is a one-semester course designed for non-science majors based on Tennessee Science Curriculum (TSC) Standards for K-8 and TBR GenEd learning outcomes for Natural Science. Emphasis is placed on integration of physics concepts into one's everyday life experience. Topics include motion and Newton's laws of motion, energy, momentum, gravity, heat, electricity, magnetism sound and light waves, plate tectonics, rocks and minerals weather, solar system and the universe in a constructive learning environment. The student will design, develop and implement hands-on science activities for K-8 students.  
*3 hours lecture / 2 hours laboratory*

**PHYS 2010/2011** **General Physics I/Lab** ..... 4 credits  
An introductory precalculus survey course in general physics including: mechanics, work and energy, rotation and vibration, wave motion, fluids and sound. (Prerequisite: MATH 1720; corequisite: PHYS 2011) (formerly **PHYS 2110/2111**) **F, Su**  
*Lecture / 3 hours laboratory*

**PHYS 2020/2021** **General Physics II/Lab** ..... 4 credits  
Thermodynamics, electricity and magnetism, optics, atomic and nuclear physics. (Prerequisite: PHYS 2010; corequisite: PHYS 2021) (formerly **PHYS 2120/2121**) **F, Su**  
*Lecture / 3 hours laboratory*

**PHYS 2110/2111** **Physics I/Lab** ..... 4 credits  
A calculus based course intended primarily for students in science, mathematics, engineering and other technical fields. Mechanics, wave motion, fluids, and sound. (Prerequisite: MATH 1910; corequisite: PHYS 2111) (formerly 2610/2611) **F**  
*Lecture / 3 hours laboratory*

**PHYS 2120/2121** **Physics II** ..... 4 credits  
Thermodynamics, electricity and magnetism, optics, atomic and nuclear physics. (Prerequisites: MATH 1910 and PHYS 2110; corequisites: PHYS 2121 and MATH 1920) (formerly **PHYS 2620/2621**) **S**

**PHYS 2210** **Statics (with Calculus)** ..... 4 credits  
A study of forces, moments, vector quantities, static equilibrium with applications to structures, friction, center of gravity, and second moments. (Prerequisite: MATH 1920) **F**  
*3 lectures and one discussion / week*

**PHYS 2220** **Dynamics (with Calculus)** ..... 4 credits  
Absolute and relative kinetics of particles and rigid bodies using Newton's laws, work-energy, and impulse-momentum principles. (Corequisite: MATH 2120) **S**  
*3 lectures and one discussion session / week*

**PHYS 2910** **Independent Study** ..... 1-6 credits  
Selected topics in physics are studied in greater depth. Topics chosen cover the entire range of Physics and are selected in consultation with the instructor.

## POLITICAL SCIENCE (POLI)

**POLI 1120** **Introduction to American Government** ... 3 credits  
A study of the Constitution, American political culture and behavior, and the structure and function of the legislative, executive, judicial, and administrative branches of U.S. national government. **F**

**POLI 2010** **Introduction to Political Science** ..... 3 credits  
A comprehensive introduction to the study of political science with emphasis on the theory, processes, and institutions of politics and governments in the modern world. **S**

**POLI 2900** **Problems and Topics in Cultural Studies** ..... 1-6 credits  
Instructor-designed course to fulfill general humanities objectives and/or to provide specific Interdisciplinary Studies course not offered. Provides for the advanced, individualized study of special interests in cultural studies; may include foreign and/or independent study, and may be repeated, provided the same experience is not repeated. (Same as HUM 2900 and SOCI 2900)

**POLI 2990** **Problems in Political Science** ..... 1-3 credits  
A course featuring an examination of a topical issue in government and politics. This course may be repeated for credit provided the theme is not repeated.

## PSYCHOLOGY (PSYC)

### PSYC 1310 Introduction to Psychology ..... 3 credits

This course is an introduction to the guiding principles and primary approaches of the study of human and animal behavior. This broad-based course includes the following topics: psychobiology, conditioning, learning, sensation, perception, motivation, emotion, intelligence, personality, lifespan development, abnormal behavior, social psychology, group processes, stress, and career development. **F, S, Su**

### PSYC 2220 The Psychology of Human Sexuality ..... 3 credits

A study to develop an understanding of the physical, mental, emotional, social, and psychological phase of human relationships to better understand the problems and responsibilities of being male or female and realizing one's decisions affects one's mental and emotional health. **F**

### PSYC 2240 Social Psychology ..... 3 credits

This course conveys the major areas of social psychology - the science of individual human behavior in social situations. The course emphasizes an understanding of the important methods, terms, theories, and findings in the field of social psychology. By understanding social psychology we can become more aware of ourselves, others and our relationships. It is recommended that you have passed an introductory Psychology course before taking this class. Students must have completed Developmental Reading and Developmental Writing prior to enrolling in this class. **F, S**

### PSYC 2310 Abnormal Psychology ..... 3 credits

Topics covered include abnormal reactions to frustrations, psychotherapy, theories of personality structure, neural functions, receptor mechanism, attention, and perception. Principles are included that related to law enforcement. **F, S**

### PSYC 2320 The Psychology of Helping ..... 3 credits

This course is an overview and application of basic theory and skills commonly practiced in a variety of human service and other social settings. It is designed for students who are currently employed in the helping profession, those training to become human service employees, and for those interested in continuing their study in upper division programs in psychology, social work, sociology, and human services. This course emphasizes critical thinking skills. This course is writing and oral intensive, and requires additional hours outside the classroom. **S**

### PSYC 2410 Psychology of Childhood and

**Adolescence ..... 3 credits**  
Psychological and physiological growth and development of the human organism beginning with conception and continuing through adolescence. **F, S, Su**

### PSYC 2420 Development Across the Lifespan ..... 3 credits

A study of psychological and physiological growth and development from conception to death looking at various theories through the entire life span. Students must have completed Developmental Reading and Developmental Writing prior to enrolling in this class. **F, S, Su**

### PSYC 2990 Problems in Psychology ..... 1 - 3 credits

This course is designed to give students an opportunity to explore various topics of special interest in psychology. Course is also used to provide field experience in psychology.

## PHYSICAL THERAPIST ASSISTANT (PTA)

### PTA 1010 Introduction to Physical Therapist

**Assistant ..... 2 credits**  
This course is designed to familiarize the student with the health care delivery system. Emphasis is placed on the history, function and purpose of physical therapy and the physical therapist assistant. The student will also learn medical terminology most frequently encountered during the practice of physical therapy. (Corequisites: PTA 1040/1041, 1100/1101) **F**  
*2 hours lecture*

### PTA 1040/1041 Kinesiology ..... 4 credits

This course presents the anatomy of neuro-muscular-skeletal systems in more detail. Emphasis is placed upon normal motion and movement patterns, especially as they apply to physical rehabilitation. (Corequisites: PTA 1010, 1100/1101) **F**  
*3 hours lecture / 3 hours laboratory*

### PTA 1100/1101 Modalities ..... 4 credits

Principles of physical agents using modalities such as heat, cold, sound, light, and water are taught. Basic concepts of tissue healing, inflammation, and pain are introduced with laboratory skill practice and demonstration of modalities in simulated patient situations. Documentation of modalities within designated plans of care will be included. (Prerequisite: Admission into the PTA program. Corequisites: PTA 1010, 1040/1041) **F**  
*2 hours lecture / 6 hours laboratory*

### PTA 1200/1201 Orthopedic Conditions ..... 6 credits

Pathologies and medical/physical therapy management of orthopedic conditions and dysfunctions are presented, along with tests and measurements such as goniometry and manual muscle testing. Students will have didactic and laboratory sessions on physical therapy intervention principles and technical skills related to patients with orthopedic conditions, including additional documentation and beginning psychosocial and professional issues. (Prerequisites: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101. Corequisite: PTA 1300/1301, 1331) **S**

*4 hours lecture / 6 hours laboratory*

### PTA 1300/1301 Neurological Conditions I ..... 3 credits

Several common neurological conditions are presented along with medical/physical therapy management. Intervention principles and techniques needed to assist the physical therapist and continue plans of care will be taught. Lecture and



laboratory sessions will focus on pathology, physical therapy tests and measurements, and hands-on treatment in simulated patient situations. (Prerequisite: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101. Corequisite: PTA 1200/1201, 1331) **S**

*2 hours lecture / 3 hours laboratory*

**PTA 1331 Clinical I ..... 2 credits**  
Orientation to various clinical sites, introduction to patient assessment, interventions, and assisting the physical therapist in the clinical setting with patient diagnoses/conditions covered so far. (Prerequisite: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, satisfactory progression in PTA 1200/1201, 1300/1301) **S**  
*4 hours clinical practicum*

**PTA 2120/2121 Medical/Surgical Conditions ..... 5 credits**  
A survey of medical/surgical conditions commonly seen by physical therapist assistants. Pathologies, medical and physical therapy management will be discussed with laboratory practice of technical skills, interventions, and tests and measurements for patients with specific medical/surgical conditions. Additional professional issues will be covered. (Prerequisite: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, 1200/1201, 1300/1301, 1331. Corequisite: PTA 2300/2301, 2331) **F**  
*4 hours lecture / 3 hours laboratory*

**PTA 2300/2301 Neurological Conditions II ..... 4 credits**  
A continuation of PTA 1300/1301, additional neurological conditions treated by physical therapist and assistants are presented. More advanced intervention techniques are taught to manage more complex neurologically involved patients. Laboratory and classroom sessions focus on building on content in previous courses. (Prerequisite: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, 1200/1201, 1300/1301, 1331. Corequisites: PTA 2120/2121, 2331) **F**  
*2 hours lecture / 6 hours laboratory*

**PTA 2331 Clinical II ..... 3 credits**  
A continuation of PTA 1331, intermediate level physical therapy clinical skills in various clinical settings including interventions with patients with orthopedic and moderately involved medical/surgical and neurological conditions. (Prerequisite: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, 1200/1201, 1300/1301, 1331; satisfactory progress in PTA 2120/2121, 2300/2301) **F**  
*8 hours clinical practicum*

**PTA 2431 Clinical III ..... 4 credits**  
A continuation of PTA 2331, students will demonstrate more advanced physical therapy clinical skills in various clinical settings with a variety of patient diagnoses presented in previous PTA courses. (Prerequisites: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, 1200/1201, 1300/1301, 1331, 2120/2121, 2300/2301, 2331; satisfactory progress in PTA 2500/2501, ENGL 1010, PSYC 2420, BIOL 2010/2011, 2020/2021, MATH 1530 or 1630; Corequisite: satisfactory progression in PTA 2500/2501) **S**  
*12 hours clinical practicum*

**PTA 2500/2501 Correlative PTA Procedures ..... 3 credits**  
Continuation of selected physical therapy principles and interventions along with advanced administrative, psychosocial, ethical, and legal issues. (Prerequisites: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, 1200/1201, 1300/1301, 1331, 2120/2121, 2300/2301, 2331; ENGL 1010, 1020; PSYC 2420, BIOL 2010/2011, 2020/2021; MATH 1530 or 1630; Corequisite: PTA 2431/2531) **S**

*2 hours lecture / 3 hours laboratory*

**PTA 2531 Clinical IV ..... 6 credits**  
The terminal clinical experience will include demonstration of complex and advanced clinical skills in various clinical sites encompassing a variety of patient diagnoses presented in previous PTA courses. (Prerequisites: admission into the PTA program, PTA 1010, 1040/1041, 1100/1101, 1200/1201, 1300/1301, 1331, 2120/2121, 2300/2301, 2331, 2431; ENGL 1010, 1020; PSYC 2420, BIOL 2010/2011, 2020/2021; MATH 1530 or 1630; CPSC 1100; satisfactory progress in PTA 2500/2501) **S**  
*20 hours clinical practicum*

**PTA 2990 Special Problems in Physical Therapy . 1-3 credits**  
Special problems and/or current topics in the field of physical therapy.

## READING

### Developmental Reading (DSPR)

Reading Developmental Education courses are intended for students who need additional preparation in reading prior to enrolling in college level courses using these skills. Students will be required to take these courses based on placement assessment procedures. A grade of "C" or better is required to progress to the next higher level course. These courses are not intended for transfer nor do they satisfy degree-credit requirements for any associate degree program. Some special admissions, registration and retention policies apply to the Developmental Education program. Students are encouraged to seek additional information about these policies from the division office, 201-CCEN, 585-6914.

Sections with the suffix **ESL** are for students whose native language is not English. These sections will stress idiomatic language through exercises and listening as well as speaking.

**\*\*DSPR 0700 Basic Reading ..... 3 credits**  
Using vocabulary and readings designed for students placing below tenth grade reading level, this course addresses these reading skills: to understand vocabulary in context, recognize main ideas, detect supporting details, identify the main idea or central point, use transitions and development patterns for reading comprehension, distinguish between facts and opinions, make logical inferences, recognize the author's purpose and tone, and understand the components of an argument. The course requires a substantial amount of reading to accomplish these objectives. This course adds 3 credit hours to the graduation requirements for students enrolled. (Prerequisite: Admission and exit is by college assessment procedure only) (**DSPR 0700 ESL** is designed for students whose native language is not English. Listening and speaking will be stressed.) **F, S, Su**

**\*\*DSPR 0800 Developmental Reading ..... 3 credits**  
Using vocabulary and readings designed for students placing above tenth grade reading level but below college level, this course addresses these reading skills: to understand vocabulary in context, recognize main ideas, detect supporting details, identify the main idea or central point, use transitions and development patterns for reading comprehension, distinguish between facts and opinions, make logical inferences, recognize the author's purpose and tone, and understand the components of an argument. The course requires a substantial amount of writing to accomplish these objectives. This course adds 3 credit hours to the graduation requirements for students enrolled. (Prerequisite: Admission and exit is by the college assessment procedure or successful completion of **DSPR 0700**, Basic Reading only) (**DSPR 0800 ESL** is designed for students whose native language is not English. Listening and speaking will be stressed.) **F, S, Su**

*\*\*These courses constitute the TBR required sequences based on placement.*

### College Reading (READ)

Reading courses READ 1010 and 2990 are transfer-oriented courses. Additional reading courses for students who need preparation for college level work are offered through Developmental Education.

**READ 1010 Speed Reading for College ..... 3 credits**  
An introduction to effective study, test-taking, and speed reading skills. The emphasis of this course is on maximizing efficiency and academic potential. (Open to all students) S, Su

**READ 2990 Special Problems in Reading ..... 1-3 credits**  
This course allows the needs of an individual or group to be met with special emphasis placed on selected reading skills. (Open to all students)

### REAL ESTATE (RELS)

**RELS 2110 Real Estate Principles I ..... 4 credits**  
Basic principles of Tennessee Real Estate with emphasis on the agency relationship, contracts, government controls, valuation, finance, mathematics and Tennessee real estate laws. Designed to prepare one for the affiliate broker's examination. F

**RELS 2120 Real Estate Principles II ..... 2 credits**  
Ethics and etiquette in marketing communication, risk management, agency, contracts, fair housing requirements, property management, advertising, qualifying the buyer and property valuation. Required by the Tennessee Real Estate Commission to obtain an affiliate broker's license. (Prerequisite/corequisite: RELS 2110) F

### RESPIRATORY CARE THERAPIST (RESP)

**RESP 1110 Respiratory Care Science I ..... 3 credits**  
Discusses the history and organization of the respiratory care profession; ethical and legal dimensions of respiratory care, quality management and measurement techniques; the use and measurement of respiratory care protocols; the principles, operation and maintenance of compressed gas sources, gas administration devices, oxygen therapy; humidity and aerosol therapy; microbiology of respiratory care in cleaning and sterilization; physical assessment and patient history taking. (Prerequisite: acceptance into the program. Corequisites: RESP 1111, 1112 and 1120) F  
*3 hours lecture*

**RESP 1111 Respiratory Care Science I Laboratory ..... 1 credit**  
A study of patient assessment and history taking; oxygen, humidity and aerosol therapy; cleaning and sterilization of respiratory equipment. These areas are offered in a laboratory setting with required skill practice and demonstrations that correspond with lecture material in RESP 1110. (Prerequisite: acceptance into the program. Corequisites: RESP 1110, 1112, and 1020) F

*2 hours laboratory*

**RESP 1112 Clinical Practice I ..... 2 credits**  
Orientation to the clinical practice of respiratory care. Integration of classroom and laboratory coursework in: patient assessment, charting, oxygen therapy; aerosol and humidity therapy; delivery of medications to the airways. (Prerequisite: acceptance into the program. Corequisites: RESP 1110, 1111 and 1120) F  
*8 hours clinical*

**RESP 1120 Cardiopulmonary Anatomy and Physiology ..... 4 credits**  
A comprehensive course in the structure and function of the cardiorespiratory system with clinical applications. Topics include the pulmonary, cardiac and renal systems, oxygen and carbon dioxide transport, acid-base balance and arterial blood gas interpretation. (Prerequisite: acceptance into the program. Corequisites: RESP 1110, 1111 and 1112) F  
*4 hours lecture*

**RESP 1130 Respiratory Care Science II ..... 3 credits**  
A continuation of RESP 1110. Topics include hyperinflation therapy; bronchial hygiene; airway management; non-invasive monitoring, arterial blood gas puncture and analysis and quality control; basic concepts of adult mechanical ventilation with emphasis on indications, institution, troubleshooting and maintenance of the adult patient on mechanical ventilation. (Prerequisites: RESP 1110, 1111, 1112 and 1120. Corequisites: RESP 1131, 1132, and 1140) S  
*3 hours lecture*

**RESP 1131 Respiratory Care Science II Laboratory ..... 1 credit**  
A study of bronchial hygiene therapies; various techniques of hyperinflation; airway management including suctioning, intubation/extubation, and tracheostomy care; arterial blood gas puncture and analysis with quality control techniques; institution and monitoring of mechanical ventilation in the adult patient. These areas are offered in a laboratory setting with required skill practice and demonstrations that correspond with lecture material in RESP 1130. (Prerequisite: RESP 1110, 1111, 1112 and 1120. Corequisites: RESP 1130, 1132, and 1140) S  
*2 hours laboratory*

**RESP 1132 Clinical Practice II ..... 4 credits**  
An integrated study of the application and practice of topics presented in previous and current respiratory care courses. Competency is to be gained in medical gas administration, humidity, aerosol, hyperinflation and airway management therapies. (Prerequisite: RESP 1110, 1111, 1122 and 1120. Corequisites: RESP 1130, 1131 and 1140) S  
*16 hours clinical*

**RESP 1140 Pathology of Respiratory Diseases ..... 4 credits**  
Fundamental patient care assessment techniques followed by a study of the common respiratory pathologies. Etiologies, clinical manifestations, laboratory diagnosis and appropriate treatment protocols of the various diseases will be presented. (Prerequisites: RESP 1110/1111, 1112 and 1120. Corequisites: RESP 1130, 1131 and 1132) SF  
*4 hours lecture*

**RESP 2110 Respiratory Care Science III ..... 3 credits**  
A continuation of RESP 1130. Topics include advanced ventilator management including ventilator graphics, non-invasive positive pressure ventilation, weaning techniques; homecare; respiratory care patient education, and Advanced Cardiac Life Support (ACLS). (Prerequisites: 1130, 1131, and 1132. Corequisites: RESP 2111, 2112, 2116) F

*3 hours lecture*

**RESP 2111 Respiratory Care Science III Laboratory ..... 1 credit**

A study of advanced ventilator management; advanced forms/methods of mechanical ventilation; respiratory patient homecare and certification for NRP and ACLS. These areas are offered in a laboratory setting with required skill practice and demonstrations that correspond with lecture material in RESP 2110. (Prerequisites: RESP 1130, 1131 and 1132. Corequisites: RESP 2110, 2112, 2116) F

*2 hours laboratory*

**RESP 2112 Clinical Practice III ..... 4 credits**

An integrated study of the application and practice of topics presented in previous and current respiratory care courses. Competency is to be gained in airway management therapies, institution of mechanical ventilation; non-invasive monitoring; arterial blood gas puncture and analysis with quality assurance techniques. (Prerequisites: RESP 1130, 1131 and 1132. Corequisites: RESP 2110, 2111, and 2116) F

*16 hours clinical*

**RESP 2116 Cardiopulmonary Diagnostic Testing ..... 3 credits**

The study of pulmonary function testing, polysomnography, cardiac and pulmonary exercise testing; and hemodynamic monitoring from arterial lines and pulmonary artery catheters with laboratory practice in both the respiratory laboratory and clinical sites. (Prerequisites: RESP 1130, 1131 and 1132. Corequisites: RESP 2110, 2111, 2112) F

*2 hours lecture and 2 hours lab*

**RESP 2120 Respiratory Care Science IV ..... 3 credits**

Material covered includes neonatal and pediatric topics including: diagnosis, management of neonatal/pediatric pulmonary disorders; pediatric and neonatal respiratory care procedures; neonatal mechanical ventilation and certification in American Heart Association Neonatal Resuscitation Program (NRP). (Prerequisites: RESP 2110, 2111, 2112 and 2116. Corequisites: RESP 2121, 2122 and 2130). S

*3 hours lecture*

**RESP 2121 Respiratory Care Science IV Lab ..... 1 credit**

A study of neonatal and pediatric respiratory area topics is offered in a laboratory setting with required skill practice and demonstrations that correspond with lecture material in RESP 2120. (Prerequisites: RESP 2110, 2111, 2112, and 2116. Corequisites: RESP 2120, 2122, and 2130) S

*2 hours laboratory*

**RESP 2122 Clinical Practice IV ..... 6 credits**

An integrated study of the application and practice of topics presented in previous and current respiratory care courses. Competency is to be gained in neonatal and pediatric respiratory care, in particular rotation through NICU and PICU. Concludes with individual preceptorship rotations in which the student will gain competency and increase efficiency in all clinical aspects of respiratory care. (Prerequisites: RESP 2110, 2111, 2112, and 2116. Corequisites: RESP 2120, 2121 and 2130) S

*24 hours clinical*

**RESP 2130 Respiratory Care Seminar ..... 3 credits**

A review and practice of the NBRC Self-Assessment Examinations (SAEs) including the NBRC Entry-Level, Written Advanced Practitioner and Clinical Simulation Examinations. (Prerequisites: RESP 2110, 2111, 2112 and 2116. Corequisites: RESP 2120, 2121 and 2122) S

*3 hours lecture*

**RESP 2990 Special Problems in Respiratory Care ..... 1-5 credits**

Special problems or areas of interest for Respiratory Care stu-

dents.

## SOCIAL WORK (SOWK)

**SOWK 1010 Introduction to Social Work ..... 3 credits**

This course introduces students to the profession of social work and provides an overview of the professional knowledge, skills, and values necessary for generalist social work practice. Students are introduced to the historical evolution of social work, the history of social welfare, the various fields of social work practice nationwide and in the Appalachian region, and general systems theory. This course also contains a service-learning component, allowing students to spend 20 hours during the semester in a social service agency within their community. F, S

## SOCIOLOGY (SOCI)

**SOCI 1005 Cultural Studies:**

**The African-American Experience I ..... 3 credits**

A socio-cultural / anthropological examination of the origins of Black Americans from ancient Africa through the period of American (U.S.) Reconstruction. It focuses upon the specific cultural characteristics and adaptations that Blacks have experiences in contact with western society, especially the Americans. (Same as HUM 2020)

**SOCI 1010 Cultural Studies:**

**The African-American Experience II ..... 3 credits**

A continuation of Cultural Studies I from Reconstruction to the present. (Same as HUM 2030)

**SOCI 1020 General Sociology, Institutions**

**and Society ..... 3 credits**

Major concepts and theoretical approaches of sociology with emphasis on culture, socialization, social organization, and social stratification. F, S, Su

**SOCI 1240 Introduction to Cultural Anthropology ..... 3 credits**

Explores the thesis that every society is based upon an integrated culture which satisfies the needs of its members and facilitates their survival. Authentic ethnographic footage helps students appreciate the diversity of human cultures around the world. F, S

**SOCI 1280 Prehistoric Archaeology ..... 3 credits**

Prehistoric Archaeology is the study of human cultural evolution using theories and techniques of archaeology. Students will be briefly introduced to the principles, history, and techniques used by archaeologists followed by a review of the prehistory of Africa, Europe, Asia, and the New World.

**SOCI 2020 Social Problems and Human Values ..... 3 credits**

An examination of the development of social problems, how they confront the dominant society and occasionally become deviant groups. The consequences of deviant conduct are also included. S

**SOCI 2110 The Family, Society, and the Individual .... 3 credits**

Origin and ethnology of the family; background of the modern American family; social change and the family; social pathol-

ogy of the family; the future of the family system. Topics will also include non-marital dynamics. **F**

**SOCI 2220 Honors Seminar:**

**The Individual and Society ..... 3 credits**  
The course is an interdisciplinary study of the individual and society emphasizing the unity of knowledge and the cooperative contributions of the social sciences. All the disciplines aid in identification of problems relating to growth of society and institutions, and the impact of this process on the development of human behavior. The student will gain a historical, contemporary and futuristic perspective on the development of individuals and societies.

**SOCI 2900 Problems and Topics in**

**Cultural Studies ..... 1-6 credits**  
Instructor-designed course to fulfill general humanities objectives and/or to provide specific Interdisciplinary Studies courses not offered. Provides for the advanced, individualized study of special interests in cultural studies; may include foreign and/or independent study, and may be repeated, provided the same experience is not repeated. (Same as HUM 2900 & POLI 2900)

**SOCI 2990 Problems in Sociology ..... 1-3 credits**

Designed to expand creative offerings in Sociology by pursuing topics in depth or by addressing specific topics to targeted groups.

## SPANISH (SPAN)

**SPAN 1000 Beginning Conversational Spanish I .... 3 credits**

A conversational course in Spanish, stressing an oral-aural approach and the type of vocabulary and subject matter appropriate for use by travelers, policemen, social workers, and medical personnel. Extensive use of video tape. This course may not be used to satisfy the foreign language graduation requirements. **F**

**SPAN 1001 Beginning Conversational Spanish II .... 3 credits**

A continuation of Beginning Conversational Spanish I.

**SPAN 1005 Spanish Communications for the**

**Hospitality Industry ..... 3 credits**  
This introductory course in Spanish is designed for the food and beverage, and hotel industry. It provides basic communication and cross-cultural skills in the Spanish language, to be more confident working in an organization with a diverse staff. This course includes industry specific vocabulary, key cultural differences, and team building tips. The emphasis will be on conversational skills that are appropriate in hospitality settings. This course does not satisfy the foreign language requirement for any other degree. **S**

**SPAN 1010 Elementary Spanish I ..... 3 credits**

An elementary course in the essentials of Spanish, focusing on the fundamental four skills: listening comprehension, speaking, reading, and writing. Cultural awareness is promoted. Grammar focuses on conjugation of regular verbs, some irregular verbs (ser, estar, tener, ir, hacer). Vocabulary sets include numbers, days of the week, months, seasons, descriptive and possessive adjectives, nationalities, colors and time. The course is designed

as an introduction to Spanish and may be used to fulfill high school deficiencies in the language. (No prerequisites.) **F, S, Su**

**SPAN 1020 Elementary Spanish II ..... 3 credits**

This elementary course builds on the content of SPAN 1010. It emphasizes the four fundamental skills: listening/comprehension, speaking, reading, and writing. Cultural awareness is promoted. Grammar focuses on stem-changing verbs, more irregular verbs (poner, salir, traer, decir, dar, saber, conocer), reflexive verbs, gustar and similar verbs, direct and indirect object pronouns, personal, comparisons and superlatives, and the preterite tense of regular verbs. Vocabulary sets include family, home and chores, food, and pastimes. The course is designed as an introduction to Spanish and may be used to fulfill high school deficiencies in the language. (Prerequisite: SPAN 1010) **F, S, Su**

**SPAN 2010 Intermediate Spanish I ..... 3 credits**

Placement exams are administered during the first week of class to ensure student success in this course. It emphasizes the four fundamental skills: listening/comprehension, speaking, reading, and writing. Cultural awareness is promoted. Grammar focuses on the conjugation of the preterite tense of irregular verbs, the imperfect and differentiating between the two, por and para, and the subjunctive in noun clauses. Vocabulary sets include the weather, sports, shopping, clothing, and travel. (Prerequisite: SPAN 1020 or two years of high school Spanish) **F, S**

**SPAN 2020 Intermediate Spanish II ..... 3 credits**

This intermediate course builds on the content of SPAN 2010. It emphasizes the four fundamental skills of Spanish: listening/comprehension, speaking, reading, and writing. Cultural awareness is promoted. This course incorporates content of the three previous courses. Grammar focuses on the subjunctive to express feelings and emotions, doubt and denial, all command forms, the past participle, present perfect, future tense, and conditional. Vocabulary sets include foods, human body, professions, seeking employment, computers, and the environment. (Prerequisite: SPAN 2010) **S**

**SPAN 2900 Problems and Topics in**

**Spanish Studies ..... 1-3 credits**  
Instructor-designed course to provide for an advanced and individualized study of the Spanish language and culture. This course may be repeated provided the same experience is not repeated. **F, S, Su**

## SPEECH COMMUNICATION (SPCH)

**SPCH 1210 Voice and Physical Preparation ..... 3 credits**

The training of the voice for communication, interpersonal or public (performance) - incorporates physical and mental preparations. Students will explore techniques for voice production through vocal and physical exercises. **F**

**SPCH 2000 Forensics ..... 1 credit**

Students participate in public speaking, debate, and dramatic interpretation events in competition (may be repeated for credit). Enrollment by permission of instructor. **F**

**SPCH 2010 Introduction to**

**Speech Communication ..... 3 credits**  
An introductory speech-communication course which focuses

on the skills development in the areas of interpersonal, small group, and public communication. Special emphasis is given to public speaking. **F, S**

**SPCH 2020 Advanced Speech Communication ..... 3 credits**  
An advanced course in speech communication skills. Emphasis is on public speaking, professional presentation, and small group discussion. (Prerequisite: SPCH 2010) **S**

**SPCH 2030 Debate ..... 3 credits**  
Instruction and participation in argumentation and debate. Emphasis will be given to researching current issues. (Prerequisite: SPCH 2010) **S**

**SPCH 2040 Interpersonal Communication ..... 3 credits**  
Interpersonal Communication is the study of the functions and processes of dyadic communication. Students acquire a greater understanding of how to relate to others from the course. Course topics include: development of communication, competence, development of relationships, problems in relationships, how to conduct interviews, and managing conflict and negotiation skills. **F, S**

**SPCH 2050 Introduction to Film and Media Criticism ..... 3 credits**  
This course surveys various approaches to film and media criticism. The course examines the various genres, both historical and contemporary, of American film and television. Emphasis will be given to audience strategies for viewing and evaluating film and television from a Speech Communication perspective. (Students cannot receive credit for both SPCH 2050 and MCOM 2020) **S**

**SPCH 2440 Oral Interpretation ..... 3 credits**  
This course is designed to introduce students to the process of analyzing literature for the purpose of presenting it orally to an audience. Basic skills and techniques necessary for this process are studied. **S**

**SPCH 2900 Contemporary Topics in Speech Communications ..... 3 credits**  
A course featuring the study of speech communication in contemporary society with a consideration given to topics of current research. **S**

## SPECIAL EDUCATION (SPED)

**SPED 2010 Introduction to Special Education ..... 3 credits**  
This course deals with the special needs student population from physical disabilities, learning disabilities, mental retardation, sensory impairment, to the gifted child. The student will learn about interpreting diagnostic instruments and writing educational programs to meet the needs of the child. Students will study current practices, issues, and trends in special education law and policy, including adapting the environment and strategies for developing strong relationships with families and other community agencies. There is a significant outside of class time service-learning component to this class. Any

field experience requires proof of personal liability coverage. (Students cannot receive credit for both ECED 2060 and SPED 2010). **F, S**

**SPED 2210 Sign Language I ..... 3 credits**  
An introduction to expressive and receptive skill development in sign communication using American Sign Language. Video, text and interactive teaching method used.

**SPED 2220 Sign Language II ..... 3 credits**  
A continuation of expressive and receptive skill development in sign communication using American Sign Language. Video, text, and interactive teaching method used. (Prerequisite: SPED 2210)

## THEATRE (THEA)

**THEA 1030 Introduction to Theatre ..... 3 credits**  
Theatre will be explored philosophically and aesthetically through the practical application of drama in production. Emphasis is placed on the understanding and appreciation of the political and social aspects of theatre in our world. (*formerly THTR 1500*) **F, S**

**THEA 1200 Audition Techniques ..... 1 credit**  
Course is designed to prepare students to audition for a variety of events. Students will 1) develop a resume, 2) gain experience role-playing different types of auditions, 3) gain exposure with performers and musicians who are working in the business through guest lecturers, and 4) gain the confidence needed to audition. In addition, these students will have access to all audition information in the area and will be provided with individualized assistance in developing their individual audition. **S**

**THEA 1210 Voice and Physical Preparation ..... 3 credits**  
The training of the voice for communication, interpersonal or public (performance) - incorporates physical and mental prepara-





rations. Students will explore techniques for voice production through vocal and physical exercises. **F**

**THEA 2410 Acting I ..... 3 credits**  
This course is designed for the beginning acting student. Emphasis is given to the development and understanding of the practical application of acting through exercises and scene work. Other activities include play analysis and written assignments. **F, S**

**THEA 2430 Stagecraft ..... 3 credits**  
The emphasis of this course is placed upon the rudimentary principles and techniques of designing, construction and maintenance of scenery, lights, and costumes. Students will be required to participate in college theatre productions. **F, S**

**THEA 2440 Oral Interpretation ..... 3 credits**  
This course is designed to introduce students to the process of analyzing literature for the purpose of presenting it orally to an audience. Basic skills and techniques necessary for the process are studied.

**THEA 2450 Acting II ..... 3 credits**  
This course is designed for the acting student who has successfully completed Acting I. Emphasis is placed on character development and advanced scene work. Other activities include play analysis and written assignments. (Prerequisite: THEA 2410 or instructor's consent.) **F, S**

**THEA 2500 Major Production ..... 1 credit**  
Supervised production work and practical exercises in all aspects of theatre relating to the mounting of a production for presentation. Course may be repeated for credit. **F, S**

**THEA 2990 Theatre Problems ..... 1-3 credits**  
A course featuring in-depth study in the field of theatre. The course may be repeated for credit provided the theme is not repeated. Prior approval of instructor is required. **F, S**

write a memo and business letter, how to make proper phone calls. Substantial work on proper grammar and punctuation in business communications will be covered as well as improving reading for comprehension skills. **As required.**

**WPCP 1040 Business Mathematics ..... 3 credits**  
This course will cover basic mathematical calculations that are commonly used in the business environment. In addition to other topics simple statistical analysis, algebraic equations, and geometry as they relate to the workplace will be covered. **As required.**

**WPCP 1050 Professional Work Skills Development .. 3 credits**  
This course is primarily concerned with helping the student develop those work skills that will make them successful in the local workforce. Among the topics to be covered in this course of study will include professional etiquette, hygiene, ethics, honesty, and dependability. **As required.**

## WORKFORCE PREPAREDNESS (WPCP)

**WPCP 1010 Workforce Skills ..... 3 credits**  
This course is designed to teach basic computer use including: the operation of a computer, using WEB CT, and creating a simple document. Other topics in the course include evaluation of basic SCANS skills, workplace skills development, and basic workplace communication. **As required.**

**WPCP 1020 Workforce Leadership ..... 3 credits**  
This course is designed to teach students how to get along in the workforce, how to form effective small groups, and how to form effective small groups, and how to run an effective meeting. Elements of the course will include public speaking, organizing a speech, developing and presenting an idea, and effective employee interaction techniques. **As required.**

**WPCP 1030 Business Communication ..... 3 credits**  
The basics of oral and written business communication will be covered in this course. Topics to be covered include: how to